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Design Tables for Translational Shells

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DESIGN TABLES FOR TRANSLATIONAL SHELLS

by

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### Foreword

These tables were initially programmed by Kristoffer Apeland\* during his study at the University of California, Berkeley, under the general supervision of Professor E. P. Popov. Mr. Apeland's study in the United States was supported by the International Cooperation Administration under the Visiting Research Scientists Program administered by the National Academy of Sciences.

Subsequently, the work was modified and completed principally by Messrs. J. Tocher, Z. A. Lu, M. K. S. Rajan, and M. S. Venkatesan, graduate students in the Division of Structural Engineering and Structural Mechanics. The authors wish to thank these students and the staff of the Computer Center for much good advice and assistance.

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Symbols

## Greek Letter Symbols

$\alpha$	Shell parameter $\alpha = \frac{Eh k_2^2}{D} = 12(1 - \nu^2) \left(\frac{k_2}{h}\right)^2$
$\beta$	Ratio $\beta = \delta/\lambda = ma/nb$
$\gamma$	Shape or curvature parameter of shell $\gamma = k_1/k_2$
$\delta$	Constant $\delta = m\pi/b$
$\epsilon$	Basic shell parameter $\epsilon = \frac{n\pi/a}{\sqrt[4]{3(1 - \nu^2) \left(\frac{k_2}{h}\right)^2}}$
$\epsilon_x, \epsilon_y$	Strain in x, y direction
$h_1, h_2$	Real parts of roots of characteristic equation
$\hat{h}_1, \hat{h}_2$	Reduced roots see Eq. D
$\lambda$	Constant $\lambda = n\pi/a$
$\mu_1, \mu_2$	Imaginary parts of roots of characteristic equation
$\nu$	Poisson's ratio
$\phi$	Stress-displacement function

## Roman Letter Symbols

$A_1, A_2, B_1, B_2$	Constants of integration
a, b	Span lengths of shell, see Fig. 1
$a_1, a_2, a_3, a_4$	Constants, see Eq. B
$c_1, c_2$	Rise of shell, see Fig. 1
D	Flexural rigidity $D = \frac{E h^3}{12(1 - \nu^2)}$
e	Base of natural logarithm
$f_1, f_2, f_3, f_4$	Position function, see Eq. C
H	Arbitrary statical quantity such as $N_{xx}, M_x, Q_y, u \dots$

$[H]$	Multiplier for $H$ , see Table 1
$\hat{H}$	Reduced value of $H$ , actual $H = [H] \hat{H}$
$h$	Thickness of shell
$i$	$\sqrt{-1}$
$k_1, k_2$	Curvatures of the shell at $x = y = 0$
$M_x, M_y, M_{xy} = M_{yx}$	Moment-resultants ( $M_{xx} \equiv M_x$ and $M_{yy} \equiv M_y$ ), see Fig. 2
$m, n$	Integers
$N_{xx}, N_{yy}, N_{xy} = N_{yx}$	Stress-resultants tangential to shell surface, see Fig. 2
$Q_x, Q_y$	Shear-resultants transverse to shell surface, see Fig. 2
$q_z$	Load acting normally to shell surface. For <u>shallow</u> shells this is negligibly different from the vertical load.
$R_x, R_y$	Effective edge shear resultant transverse to shell surface
$x, y, y', z$	Rectangular cartesian coordinates, see Figs. 1 and 3
$u, v, w$	Displacement components tangential and normal to shell
$w_{,x}, w_{,y}$	Derivatives of $w$ with respect to $x, y$ respectively

## DESIGN TABLES FOR TRANSLATIONAL SHELLS

### Introduction

The numerical tables presented herein are applicable to shallow translational shells of rectangular plan such as shown in Fig. 1. The shape or curvature parameter  $\gamma$  is defined\* as the ratio of the two principal curvatures, i.e.  $\gamma = k_1/k_2$ .

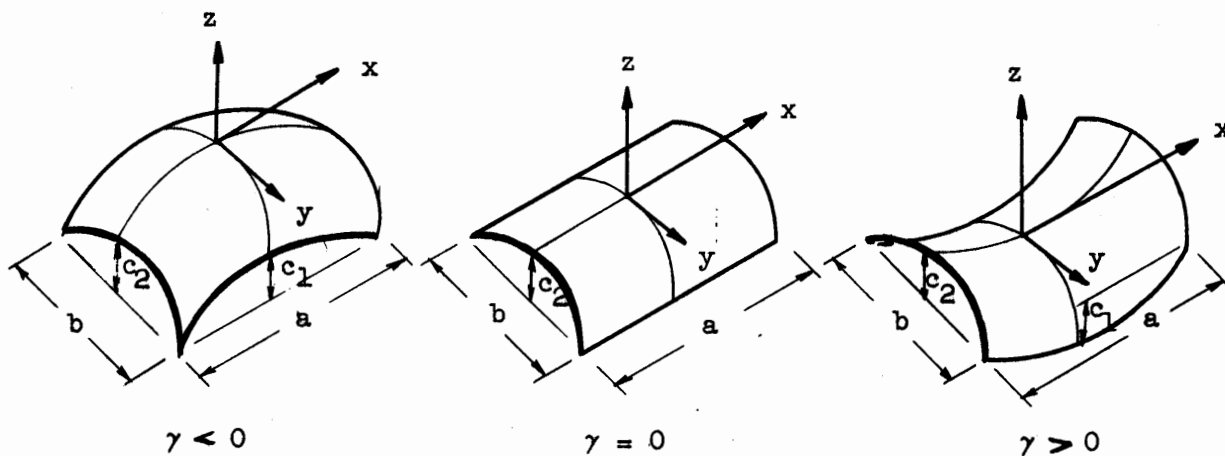


Fig. 1. Translational Surfaces

$$z = \frac{1}{2} k_2 (\gamma x^2 - y^2)$$

The surface generated by translating a parabola along another parabola will be an elliptic paraboloid of positive Gaussian curvature if  $\gamma < 0$ ; the surface will be a hyperbolic paraboloid of negative Gaussian curvature if  $\gamma > 0$ ; and the surface will be parabolic cylinder if  $\gamma = 0$ , when a

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\*Symbols are defined on p. ii .

parabola is translated along a straight line. The tables are prepared for several selected values of  $\gamma$ .

For the cases considered, the two opposite ends of the shells at  $x = \pm a/2$  are assumed to be simply supported. This assumption is usually employed in the analytic solutions of circular cylindrical shells [1, 2]\*\*. This condition corresponds to an end diaphragm of infinite in-plane stiffness and of zero flexural rigidity. On this basis, the boundary conditions at  $x = \pm a/2$  are:

$$w = 0 ; \quad M_x = 0 ; \quad N_{xx} = 0 ; \quad v \text{ or } \epsilon_y = 0 .$$

The meaning of these quantities may be clarified by examining Fig. 2.

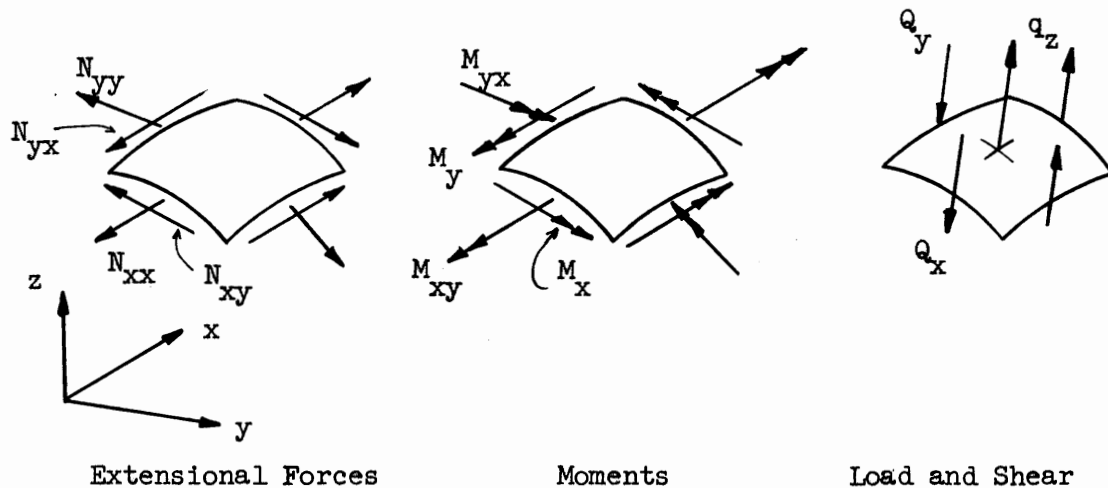


Fig. 2. Stress-Resultants

At the remaining two edges of a shell,  $y = \text{const.}$ , arbitrary boundary conditions expressible in series expansion can be satisfied. This is accomplished by employing the Levy-type solution developed by Apeland [3], and reported further by Apeland and Popov [4].

\*\*Numbers in brackets indicate references given on p. 9 .



### Homogeneous Solution of the Problem

From the solution of the boundary value problem, it was shown in reference [3], that every arbitrary stress-resultant or displacement in the shell, resulting from an edge disturbance at one of the edges  $y = \text{constant}$ , can be written in the following form:

$$H = [H] (a_1 f_1 + a_2 f_2 + a_3 f_3 + a_4 f_4) \quad (A)$$

in which  $[H]$  is a multiplier containing functions of the independent variable  $x$  and where

$$\begin{aligned} a_1 &= A_1 \cdot \text{Re} \left\{ \hat{H}_1 \right\} - B_1 \cdot \text{I} \left\{ \hat{H}_1 \right\} \\ a_2 &= A_1 \cdot \text{I} \left\{ \hat{H}_1 \right\} + B_1 \cdot \text{Re} \left\{ \hat{H}_1 \right\} \\ a_3 &= A_2 \cdot \text{Re} \left\{ \hat{H}_2 \right\} - B_2 \cdot \text{I} \left\{ \hat{H}_2 \right\} \\ a_4 &= A_2 \cdot \text{I} \left\{ \hat{H}_2 \right\} + B_2 \cdot \text{Re} \left\{ \hat{H}_2 \right\} \end{aligned} \quad (B)$$

Multipliers  $[H]$  and Real and Imaginary parts of  $\left\{ \hat{H}_1 \right\}$  and  $\left\{ \hat{H}_2 \right\}$  can be found from the appropriate tables, the use of which is explained later.

$A_1$ ,  $A_2$ ,  $B_1$ , and  $B_2$  are constants which must be determined in each particular problem.

The remaining quantities in Eq. A are

$$\begin{aligned} f_1 &= e^{-\mathcal{K}_1 \lambda y'} \cos (\mu_1 \lambda y') \\ f_2 &= e^{-\mathcal{K}_1 \lambda y'} \sin (\mu_1 \lambda y') \\ f_3 &= e^{-\mathcal{K}_2 \lambda y'} \cos (\mu_2 \lambda y') \\ f_4 &= e^{-\mathcal{K}_2 \lambda y'} \sin (\mu_2 \lambda y') \end{aligned} \quad (C)$$

where  $\mathcal{K}_i$  and  $\mu_i$  ( $i = 1, 2$ ) are the real and imaginary parts of the principal roots of the characteristic equation and are given in the tables in terms of the reduced roots  $\mathcal{K}_i$  and  $\mu_i$  as

$$\mathcal{H}_i = \frac{1}{\sqrt{\epsilon}} \hat{\mathcal{H}}_i ; \quad \mu_i = \frac{1}{\sqrt{\epsilon}} \hat{\mu}_i \quad (D)$$

where the basic shell parameter  $\epsilon$  is defined as

$$\epsilon = \frac{n \pi / a}{\sqrt[4]{3(1 - \nu^2) \left(\frac{k_2}{h}\right)^2}} \quad (E)$$

whereas

$$\lambda = \frac{n\pi}{a} \quad \text{and} \quad \gamma = \frac{k_1}{k_2} = \left(\frac{b}{a}\right)^2 \left(\frac{c_1}{c_2}\right)$$

For meaning of  $a$ ,  $b$ ,  $c_1$ , and  $c_2$  see Fig. 1. The thickness of the shell is  $h$ .

In Eq. C the distance  $y' = y + b/2$ . This corresponds to moving the origin of the coordinate system to an edge of the shell and permits treating the effect of the two opposite edges separately. On this basis the edges are given by  $y' = (0, b)$ . For the complete solution, the effects from the two edge disturbances must be superimposed. In superimposing such effects, the contributions must be added for quantities which are defined as even quantities in the  $y$ -direction, and the contributions must be subtracted from each other for the odd quantities. The even quantities are  $N_{xx}$ ,  $N_{yy}$ ,  $M_x$ ,  $M_y$ ,  $Q_x$ ,  $R_x$ ,  $u$ ,  $w$ , and  $w_{,x}$ ; the odd quantities are  $N_{xy}$ ,  $M_{xy}$ ,  $Q_y$ ,  $R_y$ ,  $v$ , and  $w_{,y}$ .

The shifting of origin is shown diagrammatically in Fig. 3.

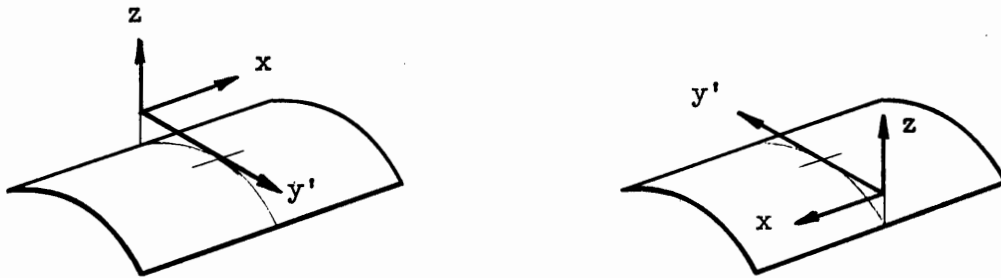


Fig. 3. Shift of Origin

### Particular Integrals for Surface Loads

The complete solution of the boundary value problem is obtained by superposition of the homogeneous solution for the unloaded shell and a particular integral for the surface load on the shell. Particular solutions for the case of transverse load acting normally\* to the surface of a shallow shell can be readily found. In order to satisfy the boundary conditions the particular integral must be expanded in the same series form as the homogeneous solution. This means that the surface load function must be expanded in the same series form.

In the case when the load function is constant in the  $y$  direction, the particular integral is given by

$$\phi_p(x, y) = \sum_n \phi_n \cos \lambda x \quad (F)$$

where

$$\phi_n = \frac{1}{\lambda^8 + \alpha\lambda^4} \frac{q_n}{D} \quad \text{and} \quad q_z = \sum_n q_n \cos \lambda x .$$

With these functions we obtain

$$N_{yy_p} = \sum_n [N_{yy}] q' \quad , \quad R_{y_p} = 0 \quad , \quad N_{yx_p} = 0 \quad ,$$

$$M_{yy_p} = \sum_n [M_{yy}] \left(\frac{\nu\epsilon^3}{2}\right) q' \quad (G)$$

and

$$u_p = \sum_n [u] (\gamma - \nu) q' \quad , \quad w_p = \sum_n [w] \frac{\epsilon^2}{2} q' \quad ,$$

$$v_p = 0 \quad , \quad (w, y)_p = 0$$

---

\*For shallow shells the normal load with sufficient accuracy represents the vertical load acting on the shell.

where

$$q' = \frac{4}{4 + \epsilon^4} \cdot \frac{q_n}{k_2} \quad q_n = \frac{2}{a} \int_{-\frac{a}{2}}^{\frac{a}{2}} q_z \cos \frac{n\pi x}{a} dx$$

$[N_{yy}]$  and  $[M_{yy}]$  are the multipliers  $[H]$  given in Table 1 for these functions.

When the normal load function varies in the y-direction, a double series solution must be used as a particular integral.

$$\phi_p(x, y) = \sum_m \sum_n \phi_{mn} \cos \delta y \cos \lambda x$$

where

$$\lambda = \frac{n\pi}{a}, \quad \delta = \frac{m\pi}{b}$$

$$\phi_{mn} = \left[ (\lambda^2 + \delta^2)^4 + \alpha(\lambda^2 - \gamma\delta^2)^2 \right]^{-1} \frac{q_{mn}}{D} \quad (H)$$

and

$$q_{mn} = \frac{4}{ab} \int_{-\frac{a}{2}}^{\frac{a}{2}} \int_{-\frac{b}{2}}^{\frac{b}{2}} q_z \cos \frac{n\pi x}{a} \cdot \cos \frac{m\pi y}{b} \cdot dx \cdot dy$$

With these functions we obtain

$$\begin{aligned} N_{yy_p} &= \sum_m \sum_n [N_{yy}] q' \cos \delta y \\ N_{xy_p} &= \sum_m \sum_n [N_{xy}] q' \beta \sqrt{\epsilon} \sin \delta y \\ M_{yy_p} &= \sum_m \sum_n [M_{yy}] q' \frac{\epsilon^3}{2} \frac{(1 + \beta^2)^2 (\nu + \beta^2)}{(1 - \gamma\beta^2)} \cos \delta y \\ R_{y_p} &= \sum_m \sum_n [R_y] q' \beta \frac{\epsilon^3 \sqrt{\epsilon}}{2} \frac{(1 + \beta^2)^2 (2 - \nu + \beta^2)}{(1 - \gamma\beta^2)} \sin \delta y \end{aligned} \quad (I)$$

where  $\beta = \frac{\delta}{\lambda} = \left(\frac{ma}{nb}\right)$ , the quantities in  $[ ]$  are multipliers  $[H]$  and

$$q' = \frac{4 q_{mn}}{\left[ \epsilon^4 \frac{(1 + \beta^2)^4}{(1 - \gamma\beta^2)} + 4 (1 - \gamma\beta^2) \right] k_2}$$

Expressions for displacement quantities corresponding to this case can be readily generated.

### Contents of Tables

Table 1 gives the expressions for the multipliers  $[H]$  for all stress-resultants and displacements in a shell. In the same table the characteristic coefficients  $\hat{H}_1$  and  $\hat{H}_2$  are also tabulated in terms of reduced roots defined by Eq. D. Note that the reduced roots  $\hat{\mu}_1$ ,  $\hat{\mu}_2$ , and  $\hat{\mu}_2$  are given except for sign, by the characteristic coefficients of the shear resultant  $N_{xy}$ . For the known shell parameters  $\gamma$  and  $\epsilon$ , these reduced roots can be read from Tables 2.2. Ordinary tables for trigonometric and exponential functions are used to complete the evaluation of functions  $f$  in Eqs. C.

The real and the imaginary parts of the characteristic coefficients are identified in Tables 2 with the following notation:

$$\begin{aligned} \text{REAL H1} &= \text{Re} \left\{ \hat{H}_1 \right\} \\ \text{IMAG H1} &= \text{I} \left\{ \hat{H}_1 \right\} \\ \text{REAL H2} &= \text{Re} \left\{ \hat{H}_2 \right\} \\ \text{IMAG H2} &= \text{I} \left\{ \hat{H}_2 \right\} \end{aligned} \quad (\text{J})$$

These values are tabulated for a variety of values of the shell parameters  $\gamma$  and  $\epsilon$ .

At the edge  $y' = 0$ ,  $f_1 = f_3 = 1$  and  $f_2 = f_4 = 0$  and Eq. A upon substituting Eq. B into it reduces to

$$H = [H] \left( A_1(\text{Real } H1) - B_1(\text{IMAG } H1) + A_2(\text{Real } H2) - B_2(\text{IMAG } H2) \right) \quad (K)$$

and can be easily set up with the aid of tabulated quantities.

Tables 3 present the constants of integration for the following unit line load system at one of the edges  $y = \text{constant}$ .

(1)	(2)	(3)	(4)	
$\hat{N}_{yx} = 1$	$\hat{N}_{yx} = 0$	$\hat{N}_{yx} = 0$	$\hat{N}_{yx} = 0$	
$\hat{R}_y = 0$	$\hat{R}_y = 1$	$\hat{R}_y = 0$	$\hat{R}_y = 0$	
$\hat{M}_{yy} = 0$	$\hat{M}_{yy} = 0$	$\hat{M}_{yy} = 1$	$\hat{M}_{yy} = 0$	
$\hat{N}_{yy} = 0$	$\hat{N}_{yy} = 0$	$\hat{N}_{yy} = 0$	$\hat{N}_{yy} = 1$	(L)

In a general case the internal quantities  $\hat{N}_{yx} = 1$ ,  $\hat{R}_y = 1$ ,  $\hat{M}_y = 1$ , and  $\hat{N}_{yy} = 1$  multiplied by  $X_1$ ,  $X_2$ ,  $X_3$ , and  $X_4$ , respectively, represent reduced\* redundant forces which have to be determined such that the shell and the adjoining member are compatible. Stress-resultants and displacements caused by this system of forces must be determined. This is done by first introducing the appropriate constants from Table 3 to determine  $A_1$ ,  $A_2$ ,  $B_1$ , and  $B_2$ . Thus, for example,

$$A_1 = A_{11}X_1 + A_{12}X_2 + A_{13}X_3 + A_{14}X_4 .$$

In Tables 3, for the load system of Eq. L, these constants of integration are denoted as  $A_{1i}$ ,  $B_{1i}$ ,  $A_{2i}$ , and  $B_{2i}$  with  $i = 1, 2, 3, 4$ .

The edge values of stress-resultants and displacements are stated by applying Eqs. A and/or K. On the basis of these equations together

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\*The actual quantities are found upon multiplying by  $[H]$  from Table 1.

with the effect caused by the applied load the required boundary conditions are formulated. By solving such boundary condition equations simultaneously yields  $X_1$ ,  $X_2$ ,  $X_3$ , and  $X_4$ . An extensive discussion on the use of the influence coefficients, which are the quantities tabulated in Table 3, for the case of cylindrical shells is given in reference [1]. A numerical example, which follows, illustrates the basic procedure.

NOTE: Poisson's ratio in all Tables 2 and 3 has been set equal to zero.

#### References

1. Rüdiger, D. and Urban, J., "Kreiszyinderschalen," B. G. Teubner (Leipzig), 1955.
2. "Design of Cylindrical Concrete Shell Roofs," ASCE Manual No. 31, 1952.
3. Kristoffer Apeland, "Stress Analysis of Translational Shells," EMD Journal, ASCE, February 1961, pp. 111-139, and August 1962, pp. 123-127.
4. K. Apeland and E. P. Popov, "Analysis of Bending Stresses in Translational Shells" in Simplified Calculation Methods of Shell Structures," North-Holland Publishing Company, Amsterdam 1962, pp. 9-43.

Numerical Example :-

Hyperbolic Paraboloidal Shell Roof with two edges simply supported and other two edges having axial edge members.

Geometry, parameters, etc

consider a hyperbolic paraboloidal shell roof covering a plan area 40' by 20', see Fig 1.

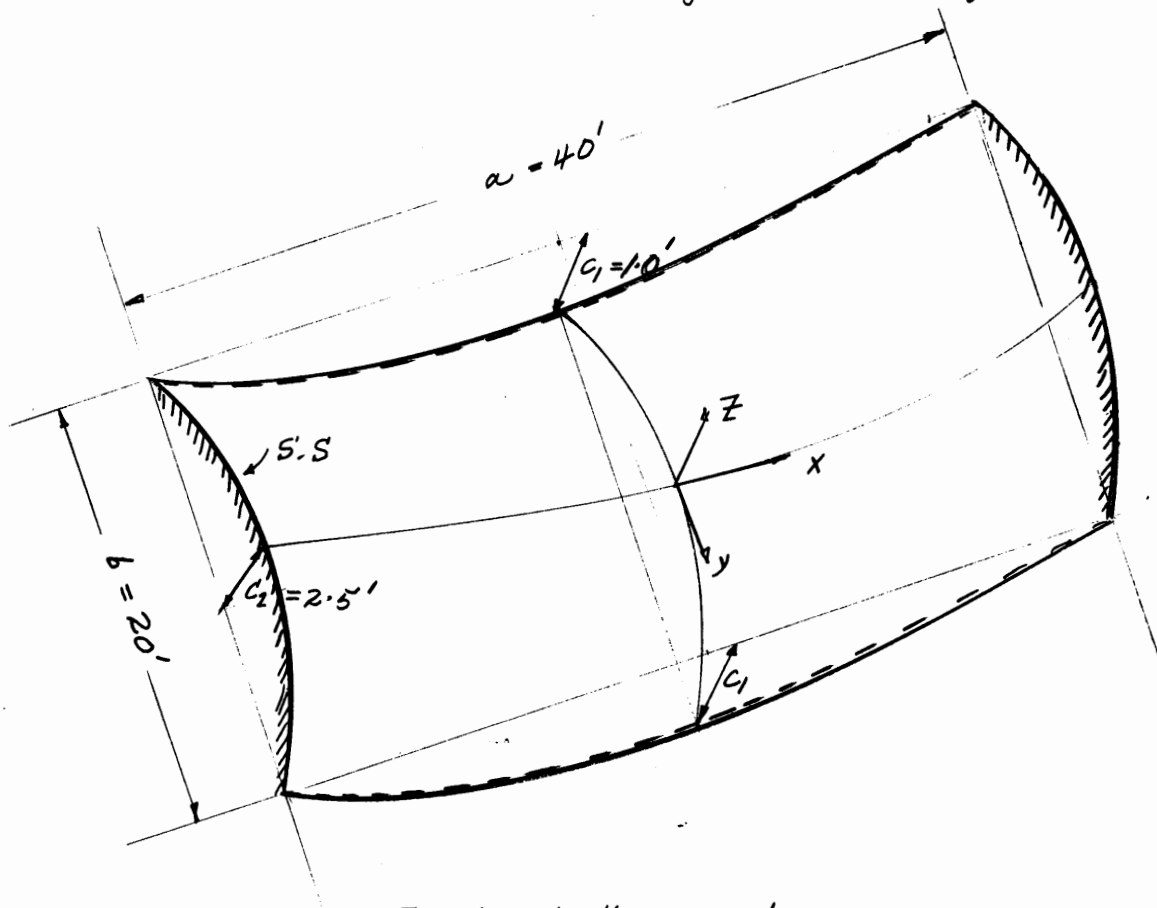


Fig 1 Shell Geometry

The shell is simply supported at the gables  $x = \pm a/2$ . Along the longitudinal edges,  $y = \pm b/2$  the shell is provided with axial edge beams of area  $A_e = 100$  sq. inches.

Geometrical Data:Longitudinal Direction:

Length:  $a = 40$  ft      Rise over length  $a = c_1 = -1.0$  ft

curvature in the longitudinal direction:  $\frac{1}{R_1} = \tau_1 = -\frac{a^2}{8c_1} = 200$  ft



The corresponding radius of a circular arc with a chord length 'a' and rise 'c<sub>1</sub>' will be

$$r_{1(\text{cur})} = \frac{(a/2)^2 + c_1^2}{2c_1} = \frac{401}{2} = 200.5 \text{ ft}$$

Half angle:

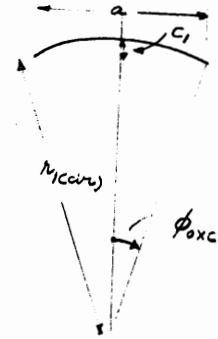
$$\tan \phi_{0xc} = \frac{20}{200.5 - 1} = 0.100251$$

$$\phi_{0xc} = 5.73 = 0.100 \text{ radians}$$

circular arc length

$$= r_{1(\text{cur})} \cdot 2\phi_{0xc}$$

$$= 200.5 \times 2 \times 0.100 = 40.1 \text{ ft}$$



### Transverse direction

$$\text{width} = 20 \text{ ft} = b$$

$$\text{Rise over width } b = c_2 = 2.5 \text{ ft}$$

$$\text{curvature in transverse direction} = \frac{1}{k_2} = r_2 = \frac{b^2}{8c_2} = 20 \text{ ft}$$

The corresponding radius of curvature of a circular arc with a chord length 'b' and rise 'c<sub>2</sub>' will be

$$r_{2(\text{cur})} = \frac{(b/2)^2 + c_2^2}{2c_2} = 21.25 \text{ ft}$$

$$\text{Half angle } \tan \phi_{0yc} = \frac{10}{21.25 - 2.50} = 0.533$$

$$\phi_{0yc} = 28.05 = 0.48956 \text{ radians}$$

$$\text{circular arc length} = r_{2(\text{cur})} \times 2\phi_{0yc} = 20.806 \text{ ft}$$

The hyperbolic paraboloid may then be defined by the function

$$z = \frac{1}{2} (k_1 x^2 - k_2 y^2) = \frac{k_2}{2} (y^2 - x^2)$$

$$\text{where } \gamma = \frac{k_1}{k_2} = \frac{20}{200} = 0.1$$

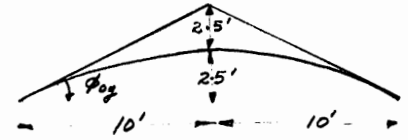
The slope of the paraboloid at  $y = \pm b/2$  will be:

$$\tan \phi_{0y} = 0.500$$

$$\phi_{0y} = 26^\circ 51'6 = 0.46365 \text{ radian}$$

$$\sin \phi_{0y} = 0.44724$$

$$\cos \phi_{0y} = 0.89441$$



### Boundary Conditions:

At the gables  $x = \pm a/2$  the shell is simply supported. Hence the following boundary conditions apply:

$$w = M_{xx} = N_{xx} = v = 0 \quad \text{at } x = \pm a/2 \quad \text{--- (a)}$$

which are identically satisfied by the single series solution

Along the longitudinal edges  $y = \pm b/2$  the shell is provided with an axial edge member. Bending stiffness and torsional rigidity of edge member are assumed to be negligible. Hence the following boundary conditions are stated:

- i) The flexural moment is equal to zero
- ii) The sum of the vertical forces is equal to zero
- iii) The sum of the horizontal forces is equal to zero
- iv) The axial displacement  $u$  of the shell must be equal to the axial displacement  $u_e$  of the edge beam.

Hence:

$$\left. \begin{aligned} M_{yy}^h + M_{yy}^p &= 0 \\ (N_{yy}^h + N_{yy}^p) \sin \phi_{0y} + (R_y^h + R_y^p) \cos \phi_{0y} + V_e &= 0 \\ (N_{yy}^h + N_{yy}^p) \cos \phi_{0y} - (R_y^h + R_y^p) \sin \phi_{0y} &= 0 \\ u^h + u^p - u_e &= 0 \end{aligned} \right\} \text{--- (b)}$$

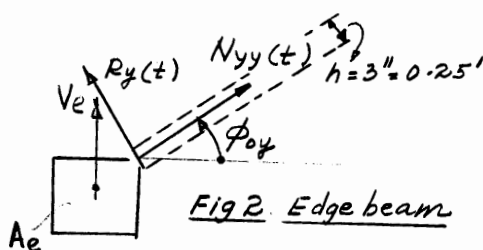


Fig 2. Edge beam

(where the superscripts  $h$  and  $p$  denote the homogeneous and particular solutions respectively.  $V_e$  and  $u_e$  denote the vertical force and axial displacement of the edge beam, see Fig 2)

The Magnitude of  $V_e$  and  $u_e$  will be discussed later.

Shell thickness, parameter:

The shell thickness is assumed to be  $3'' = h$   
Then the shell parameter  $\epsilon$  becomes:

$$\epsilon = \frac{2\lambda}{\sqrt[4]{4\alpha}} = \frac{n\pi}{a \sqrt[4]{3(1-\nu^2)(K_2/h)^2}} = 0.133 \approx 0.13$$

for  $\nu = 0$  and  $n = 1$

Load:

The shell is subjected to uniform load

Dead load	-----	36 #/0'
coating, insulations, etc	-----	10 #/0'
Snow load	-----	20 #/0'
		66 #/0'

For particular integral the load is assumed to be negligibly different from the normal load, thus

$$q_n \approx q_z = -p_0 = -66 \#/0'$$

Load on the edge beams:

Dead weight	-----	100 #/ft
coating, snow load, etc	-----	20 #/ft
		120 #/ft

Homogeneous Solution:

For  $\nu = 0.10$ ;  $\epsilon = 0.13$  and  $n = 1$ , the roots of the characteristic equation are obtained from Table 2.2 (from the characteristic coefficient of  $N_{yx}$ , we get

$$\begin{aligned} \hat{h}_1 &= 1.280095 & ; & & h_1 &= \frac{\hat{h}_1}{\sqrt{\epsilon}} = 3.5503450 \\ \hat{\mu}_1 &= 0.768351 & ; & & \mu_1 &= \frac{\hat{\mu}_1}{\sqrt{\epsilon}} = 2.1310220 \\ \hat{h}_2 &= 0.233468 & ; & & h_2 &= \frac{\hat{h}_2}{\sqrt{\epsilon}} = 0.6475237 \\ \hat{\mu}_2 &= 0.918033 & ; & & \mu_2 &= \frac{\hat{\mu}_2}{\sqrt{\epsilon}} = 2.5461656 \end{aligned}$$

$$(\sqrt{\epsilon} = \sqrt{0.13} = 0.3605551)$$

Table I-1      Characteristic Coefficients

H	[H]	$\hat{H}_1$	$\hat{H}_2$
$N_{xx}$	$\frac{1}{E} \cos \lambda x$	$-1.967125 + i 1.048278$	$0.428663 + i 0.788278$
$N_{yy}$	$\cos \lambda x$	$-i$	$+i$
$N_{xy}$	$\frac{1}{\sqrt{E}} \sin \lambda x$	$0.768351 - i 1.280095$	$-0.918033 + i 0.233468$
$M_{yy}$	$\frac{E k_2}{2 \lambda^2} \cos \lambda x$	$-1.048278 - i 1.967125$	$0.788278 - i 0.428663$
$R_y$	$\frac{\sqrt{E} k_2}{2 \lambda} \cos \lambda x$	$-0.502373 + i 3.123780$	$-0.638267 - i 0.862275$
$w$	$\frac{2}{E h k_2 E^2} \cos \lambda x$	1.0	1.0
$u$	$\frac{1}{E h \lambda} \sin \lambda x$	$-3.297411 + i 8.063678$	$15.131732 + i 6.063678$

Edge Disturbances: considering each edge separately we transform to new coordinates

$$y' = y + \frac{b}{2} \quad \text{--- (c)}$$

Then the edges are given by  $y' = (0, b)$ . A shell quantity resulting from edge disturbances originating from  $y' = 0$  and  $y' = b$  will be denoted by  $H_I$  and  $H_{II}$  respectively

The value of the shell quantity resulting from one of these edge disturbances is

$$H = [H] (a_1 f_1 + a_2 f_2 + a_3 f_3 + a_4 f_4) \quad \text{--- (d)}$$

$$\left. \begin{aligned} \text{where } f_1 &= e^{-\mu_1 \lambda y'} \cos(\mu_1 \lambda y') \\ f_2 &= e^{-\mu_1 \lambda y'} \sin(\mu_1 \lambda y') \\ f_3 &= e^{-\mu_2 \lambda y'} \cos(\mu_2 \lambda y') \\ f_4 &= e^{-\mu_2 \lambda y'} \sin(\mu_2 \lambda y') \end{aligned} \right\} \quad \text{--- (e)}$$

$$\text{and } \left. \begin{aligned} a_1 &= A_1 \{ \text{real part of } \hat{H}_1 \} - B_1 \{ \text{imag. part of } \hat{H}_1 \} \\ a_2 &= A_1 \{ \text{imag part of } \hat{H}_1 \} + B_1 \{ \text{real part of } \hat{H}_1 \} \\ a_3 &= A_2 \{ \text{real part of } \hat{H}_2 \} - B_2 \{ \text{imag. part of } \hat{H}_2 \} \\ a_4 &= A_2 \{ \text{imag. part of } \hat{H}_2 \} + B_2 \{ \text{real part of } \hat{H}_2 \} \end{aligned} \right\} \text{--- (f)}$$

The distribution functions (e) are listed in Table I-2. It is observed that  $f_3$  and  $f_4$  dampen slowly, effects from the edge  $y'=b$  must be incorporated when considering the edge  $y'=0$ .

Since the shell is symmetric, the effects from the opposite edge are easily obtained as

$$\begin{aligned} H_{II}(y=0) &= A_1 [ (\text{Real part of } \hat{H}_1) f_{1b} + (\text{imag part of } \hat{H}_1) f_{2b} ] \\ &+ B_1 [ -f_{1b} (\text{imag. part of } \hat{H}_1) + f_{2b} (\text{real part of } \hat{H}_1) ] \\ &+ A_2 [ f_{3b} (\text{real part of } \hat{H}_2) + f_{4b} (\text{imag. part of } \hat{H}_2) ] \\ &+ B_2 [ -f_{3b} (\text{imag. part of } \hat{H}_2) + f_{4b} (\text{real part of } \hat{H}_2) ] \end{aligned} \text{--- (g)}$$

where  $f_{1b}, f_{2b}, f_{3b}, f_{4b}$  are the values of  $f_1, f_2, f_3 + f_4$  at  $y'=b$ , which become

$$f_{1b} = 0 ; f_{2b} = 0 ; f_{3b} = -0.23573 ; f_{4b} = -0.27328 \text{--- (h)}$$

using the values (h) and the characteristic coefficients of Table I.1, the following values are obtained for the opposite edge

$$\left. \begin{aligned} \hat{N}_{yy II} &= -0.27328 A_2 + 0.23573 B_2 \\ \hat{R}_{y II} &= 0.38613 A_2 - 0.02879 B_2 \\ \hat{N}_{yz II} &= 0.15304 A_2 + 0.30560 B_2 \\ \hat{M}_{yy II} &= -0.06893 A_2 - 0.31629 B_2 \\ \hat{u}_{II} &= -5.22644 A_2 - 2.69994 B_2 \\ \hat{w}_{II} &= -0.23573 A_2 - 0.27328 B_2 \end{aligned} \right\} \text{--- (i)}$$

$$\begin{aligned} \mu_1 \lambda y' &= \mu_1 \frac{\pi}{a} y' = \mu_1 \frac{\pi b}{a} (y'/b) = 5.58 \pi (y'/b) \\ \mu_2 \lambda y' &= \mu_2 \frac{\pi}{a} y' = \mu_2 \frac{\pi b}{a} (y'/b) = 3.35 \pi (y'/b) \\ \mu_1 \lambda y' &= \mu_1 \frac{\pi}{a} y' = \mu_1 \frac{\pi b}{a} (y'/b) = 1.02 \pi (y'/b) \\ \mu_2 \lambda y' &= \mu_2 \frac{\pi}{a} y' = \mu_2 \frac{\pi b}{a} (y'/b) = 4.00 \pi (y'/b) \end{aligned}$$

Table I.2 - DISTRIBUTION FUNCTIONS:  $\nu = 0.10$ ;  $\epsilon = 0.13$ ;  $b = a/2$

$y'/b$	$\mu_1 \lambda y'$	$e^{-\mu_1 \lambda y'}$	$\cos \mu_1 \lambda y'$	$\sin \mu_1 \lambda y'$	$f_1$	$f_2$	$\mu_2 \lambda y'$	$e^{-\mu_2 \lambda y'}$	$\cos \mu_2 \lambda y'$	$\sin \mu_2 \lambda y'$	$f_3$	$f_4$
0	0.000	1.000	1.000	0.000	1.000	0.000	0.000	1.000	1.000	0.000	1.000	0.000
0.1	0.558	0.335	0.944	0.329	0.540	0.168	0.400	0.903	0.921	0.390	0.832	0.352
0.2	1.116	0.670	0.784	0.621	0.257	0.204	0.800	0.815	0.697	0.717	0.568	0.584
0.3	1.674	1.005	0.187	0.844	0.100	0.157	1.200	0.736	0.362	0.932	0.266	0.686
0.4	2.232	1.340	0.229	0.973	0.025	0.104	1.600	0.665	-0.032	0.999	-0.021	0.664
0.5	2.790	1.675	0.061	0.994	-0.006	0.060	2.000	0.600	-0.416	0.909	-0.250	0.545
0.6	3.348	2.010	0.035	0.905	-0.001	0.032	2.400	0.542	-0.736	0.677	-0.399	0.367
0.7	3.906	2.345	0.020	0.715	-0.001	0.014	2.800	0.490	-0.941	0.337	-0.461	0.165
0.8	4.464	2.680	0.011	—	—	—	3.200	0.442	-0.998	-0.058	-0.441	-0.026
0.9	5.022	3.015	0.006	—	—	—	3.600	0.399	-0.897	-0.442	-0.358	-0.176
1.0	5.580	3.350	0.004	—	—	—	4.000	0.361	-0.653	-0.757	0.235	-0.273

Remembering that the effects from the two edges are added for symmetric quantities  $N_{yy}$ ,  $M_{yy}$ ,  $u$ ,  $w$  and subtracted from each other for the unsymmetric quantities  $N_{yx}$  and  $R_y$  are obtained, for the total edge quantities at  $y' = 0$

$$\left. \begin{aligned} \hat{N}_{yy} &= 1.000000 B_1 - 0.273280 A_2 - 0.764270 B_2 \\ \hat{N}_{yx} &= 0.768351 A_1 + 1.280095 B_1 - 1.071073 A_2 - 0.539068 B_2 \\ \hat{M}_{yy} &= -1.048278 A_1 + 1.967125 B_1 + 0.719348 A_2 + 0.112373 B_2 \\ \hat{R}_y &= -0.502373 A_1 - 3.123780 B_1 - 1.024397 A_2 + 0.891065 B_2 \\ \hat{w} &= 1.000000 A_1 + 0.764270 A_2 - 0.273280 B_2 \\ \hat{u} &= -3.297411 A_1 - 8.063678 B_1 + 9.905292 A_2 - 8.763618 B_2 \end{aligned} \right\} \text{--- (8)}$$

### Particular Integral:

For a uniform load, which is assumed negligibly different from normal loading, a particular integral is obtained in the form:

$$\phi^p = \sum_n \frac{1}{\lambda^8 + \alpha \lambda^4} \frac{p_n}{D} \cos \lambda x = \sum_n \frac{1}{1 + \frac{\alpha}{\lambda^4}} \frac{p_n}{D \lambda^8} \cos \lambda x \quad \text{--- (k)}$$

$$\text{where } p_n = -\frac{4}{n\pi} p_0$$

Introducing the actual parameters (k) becomes

$$\phi^p \approx \sum_n \frac{p_n}{\alpha D \lambda^4} \cos \lambda x$$

$$\text{where } \alpha = \frac{Ek(k_2^2)}{D}$$

$$\text{Hence } \phi^p = \sum_n \frac{p_n}{Ek k_2^2 \lambda^4} \cos \lambda x \quad \text{--- (l)}$$

This shows that the particular integral is negligibly different from the membrane theory

we get,

$$\begin{aligned}
 N_{xx}^p &= N_{yy}^p = 0 \\
 N_{yy}^p &= Eh k_2 \nabla^2 (\phi, xx) \\
 &= p_0 \frac{Eh k_2 \lambda \cos \lambda x}{Eh k_2^2 \lambda} = p_0 r_2 \cos \lambda x = -\left(\frac{4}{\pi} p_0 r_2\right) \cos \lambda x \\
 &= -p' \cos \lambda x \quad \text{where } p' = \frac{4}{\pi} p_0 r_2 \\
 M_{yy}^p &= 0 \\
 u^p &= k_2 [(1+\nu) (\nabla^2 \phi)_{,x} - (1-\nu) (\nabla^2 \phi)_{,x}] \\
 &= k_2 [1.10 - 1] \frac{p_0 \lambda^3 \sin \lambda x}{Eh k_2^2 \lambda^4} = \frac{1}{Eh \lambda} \sin \lambda x \left( \frac{0.10}{k_2} \frac{(-4)}{\pi} p_0 \right) \\
 &= [u] (-0.10 p') \\
 w^p &= \lambda^4 p' \cos \lambda x = \frac{\lambda^4 p_0}{Eh k_2^2 \lambda^4} \cos \lambda x \\
 &= [w] \left(-\frac{E^2}{2} p'\right) = [w] (-0.00845 p') \\
 v^p &= 0
 \end{aligned}$$

(m) -

### Edge Member:

The edge member needs some special discussion. A straight axial edge member can carry in-plane shear only. For a curved edge member, the axial force will yield normal components as well.

The axial tensile force is obtained by integrating  $N_{yx}$  along the arc, thus

$$N_{xe} = -\int_{a/2}^x N_{xy} dx = -\int_{a/2}^x \frac{\hat{N}_{xy}}{\sqrt{E}} \sin \lambda x dx = \frac{\hat{N}_{yx}}{\lambda \sqrt{E}} \cos \lambda x \dots (10)$$

then the upward force  $V_e$  of fig 2 becomes

$$V_e = \frac{N_{xe}}{r_1} - g_e \dots (11)$$

Then the boundary condition (b.2) becomes

$$[R_y] \left\{ \hat{R}_y^h \cos \phi_{0y} + \frac{\sin \phi_{0y}}{k_2 \sqrt{E/2} \lambda} (\hat{N}_{yy}^h + \hat{N}_{yy}^p) + \left( \frac{\hat{N}_{yx}^h}{r_1 \lambda \sqrt{E}} - g_{en} \right) \frac{2\lambda}{k_2 \sqrt{E}} \right\} = 0 \dots (12)$$



$$\text{or for } g_{en} = \frac{4}{\pi\pi} g_e = p' \left( \frac{g_e}{p_0 T_2} \right)$$

$$0.89441 \hat{R}_y^h + 3.89685 \hat{N}_{yy}^h + 1.53846 \hat{N}_{yx}^h = 4.80007 p' \dots (T)$$

### Axial Displacement

The axial displacement of the edge member is obtained by the following integration

$$\begin{aligned} u_e &= \int u_{e,x} dx = \int \left( \epsilon_{xe} + \frac{w}{\pi} \right) dx \\ &= \left( \int \frac{N_{xe}}{AE \lambda^2 \sqrt{E}} + \frac{2}{\pi} \frac{(\hat{w}^h + \hat{w}^p)}{\lambda E h k_2 \epsilon^2} \right) \sin \lambda x \\ &= \frac{1}{E h \lambda} \sin \lambda x \left\{ \frac{h}{A e \lambda \sqrt{E}} \hat{N}_{yx}^h + \frac{2}{\pi k_2 \epsilon^2} (\hat{w}^h + \hat{w}^p) \right\} \\ &= \frac{1}{E h \lambda} \sin \lambda x \left\{ 11.28 \hat{N}_{yx}^h + 11.834 (\hat{w}^h + \hat{w}^p) \right\} \end{aligned} \quad (S)$$

Then the boundary condition (b.4) becomes

$$u^h + u^p - u^e = 0$$

$$[u] \left\{ \hat{u}^h + \hat{u}^p - 11.28 \hat{N}_{yx}^h - 11.834 \hat{w}^h - 11.834 \hat{w}^p \right\} = 0 \quad (t)$$

Introduction of the total edge values (j) into the boundary conditions (b.1) and (b.3) and the revised forms (r) + (t) and using the particular integrals (m) the following system of edge equations results:

$$\begin{aligned} -1.048278 A_1 + 1.967125 B_1 + 0.719348 A_2 + 0.112373 B_2 &= 0 \\ 0.732748 A_1 + 3.072280 B_1 - 3.628960 A_2 - 3.010600 B_2 &= 4.8 p' \\ 0.028830 A_1 + 1.792660 B_1 - 0.214490 A_2 - 0.815410 B_2 &= p' \\ -22.798400 A_1 - 22.503150 B_1 + 12.942530 A_2 + 0.551070 B_2 &= 0 \end{aligned}$$

The solution of which yields

$$\left. \begin{aligned} A_1 &= -0.3793722 p' \\ B_1 &= +0.0508612 p' \\ A_2 &= -0.5378326 p' \\ B_2 &= -0.9864986 p' \end{aligned} \right\} \quad (u)$$

The stress resultants are then obtained by first determining the constants  $a_1, a_2, a_3, a_4$  from equation (f) using the constants of integrations ( $u$ ) and the characteristic coefficients of table I.1. The computation is most easily performed in tabular form as shown in the table II.3

Table I.3 Function  $a_i$   $i=1,2,3,4$  from eqn (f.1.4)

$a_i$	$N_{xx}$	$N_{yy}$	$N_{yz}$	$M_{yy}$	$w$
	+0.737 -0.056	— +0.054	-0.288 +0.069	+0.393 +0.106	-0.375 —
$a_1$	+0.681	+0.054	-0.219	+0.499	-0.375
	-0.393 -0.106	+0.375 —	+0.480 +0.041	+0.737 -0.056	— +0.054
$a_2$	-0.499	+0.375	+0.521	+0.681	+0.054
	-0.228 +0.772	— 0.979	+0.488 +0.229	-0.419 -0.420	-0.531 —
$a_3$	+0.544	0.979	0.717	-0.839	-0.531
	-0.419 -0.420	-0.531 —	-0.124 +0.899	+0.228 -0.772	— -0.979
$a_4$	-0.839	-0.531	+0.775	-0.544	-0.979
multiplier $p'$					

using the constants  $a_i$  of table I.3 and the distribution functions  $f_i$  of Table I.2 the stress resultants are computed in tabular form as shown in Table I.4, 5, 6, 7, 8.

The distributions are plotted in Figures 3 + 4

Table I-4      LONGITUDINAL NORMAL STRESS  $N_{xx}$  (multiplier  $[N_{xx}]p'$ )

$y/b$	$a_1 f_1$	$a_2 f_2$	$a_3 f_3$	$a_4 f_4$	$\Sigma a_i f_i = N_{xxI}$	$N_{xxII}$	$N_{xx TOTAL}$
0.0	+0.681	+0.000	0.544	0.000	+1.225	+0.101	+1.326
0.1	+0.368	-0.084	0.453	-0.295	+0.442	-0.047	+0.395
0.2	+0.175	-0.101	0.309	-0.490	-0.107	-0.218	-0.325
0.3	+0.068	-0.078	0.145	-0.576	-0.441	-0.396	-0.837
0.4	+0.017	-0.052	-0.011	-0.557	-0.603	-0.542	-1.145
0.5	-0.004	-0.030	-0.136	-0.457	-0.627	-0.627	-1.254
0.6	-0.001	-0.016	-0.217	-0.308	-0.542	-0.603	-1.145
0.7	—	-0.007	-0.251	-0.138	-0.396	-0.441	-0.837
0.8	—	—	-0.240	+0.022	-0.218	-0.107	-0.325
0.9	—	—	-0.195	+0.148	-0.047	+0.442	+0.395
1.0	—	—	-0.128	+0.229	+0.101	+1.225	+1.326

Table I-5 TRANSVERSE NORMAL STRESS  $N_{yy}$  (multiplier  $[N_{yy}]p'$ )

$y/b$	$a_1 f_1$	$a_2 f_2$	$a_3 f_3$	$a_4 f_4$	$\sum f_i a_i$ $= N_{yyI}$	$N_{yyII}$	$N_{yy}$ Particular solution	$N_{yy}$ TOTAL
0.0	0.054	0.000	0.979	0.000	+1.033	-0.085	-1.000	-0.052
0.1	0.030	0.063	0.814	-0.187	+0.720	-0.257	-1.000	-0.537
0.2	0.011	0.077	0.556	-0.310	+0.334	-0.415	-1.000	-1.081
0.3	0.005	0.059	0.260	-0.364	-0.020	-0.503	-1.000	-1.523
0.4	0.001	0.038	-0.021	-0.352	-0.324	-0.514	-1.000	-1.808
0.5	—	0.023	-0.245	-0.289	-0.511	-0.511	-1.000	-2.022
0.6	—	0.012	-0.390	-0.196	-0.514	-0.324	-1.000	-1.808
0.7	—	0.006	-0.451	-0.088	-0.503	-0.020	-1.000	-1.523
0.8	—	0.003	-0.432	+0.014	-0.415	+0.334	-1.000	-1.081
0.9	—	—	-0.351	+0.094	-0.257	+0.720	-1.000	-0.537
1.0	—	—	-0.230	+0.145	-0.085	+1.033	-1.000	-0.052

Table I-6 IN-PLANE SHEAR  $N_{xy}$  (multiplier:  $[N_{xy}]p'$ )

$y/b$	$a_1 f_1$	$a_2 f_2$	$a_3 f_3$	$a_4 f_4$	$\sum a_i f_i = N_{xyI}$	$N_{xyII}$	$N_{xy}$ TOTAL
0.0	-0.219	0.000	0.717	0.000	0.498	+0.380	0.878
0.1	-0.118	0.088	0.597	0.373	0.940	+0.393	1.333
0.2	-0.056	0.106	0.407	0.452	0.919	+0.336	1.255
0.3	-0.022	0.082	0.191	0.532	0.783	+0.196	0.979
0.4	-0.006	0.053	-0.015	0.514	0.546	-0.015	0.531
0.5	+0.001	0.031	-0.180	0.423	0.275	-0.275	0
0.6	-	0.017	-0.286	0.284	0.015	-0.546	-0.531
0.7	-	0.007	-0.331	0.128	-0.196	-0.783	-0.979
0.8	-	-	-0.316	-0.020	-0.336	-0.919	-1.255
0.9	-	-	-0.257	-0.136	-0.393	-0.940	-1.333
1.0	-	-	-0.169	-0.211	-0.380	-0.498	-0.878

Table I-7      FLEXURAL MOMENT  $M_{yy}$  (multiplier  $[M_{yy}]p'$ )

$y/b$	$a_1 f_1$	$a_2 f_2$	$a_3 f_3$	$a_4 f_4$	$\sum a_i f_i = M_{yy I}$	$M_{yy II}$	$M_{yy TOTAL}$
0.0	0.499	0.000	-0.839	0.000	-0.340	0.346	+0.006
0.1	0.270	0.114	-0.697	-0.192	-0.505	0.397	-0.108
0.2	0.129	0.139	-0.477	-0.318	-0.527	0.383	-0.144
0.3	0.079	0.107	-0.223	-0.374	-0.411	0.307	-0.104
0.4	0.050	0.071	+0.018	-0.362	-0.223	0.154	-0.069
0.5	-0.013	0.041	+0.210	-0.297	-0.033	-0.033	-0.066
0.6	-0.003	0.022	+0.335	-0.200	+0.154	-0.223	-0.069
0.7	—	0.010	+0.387	-0.090	+0.307	-0.411	-0.104
0.8	—	—	+0.369	+0.014	+0.383	-0.527	-0.144
0.9	—	—	+0.300	+0.097	+0.397	-0.505	-0.108
1.0	—	—	+0.197	+0.149	+0.346	-0.340	+0.006

Table I-8

NORMAL DEFLECTION  $w$  (multiplier:  $[w]p'$ )

$y/b$	$a_1 f_1$	$a_2 f_2$	$a_3 f_3$	$a_4 f_4$	$\sum a_i f_i = W_I$	$W_{II}$	$W$ PARTICULAR SOLUTION	$W$ TOTAL
0.0	-0.375	0.000	-0.531	0.000	-0.906	+0.392	-0.008	-0.512
0.1	-0.202	0.009	-0.442	-0.344	-0.979	+0.362	-0.008	-0.645
0.2	-0.097	0.011	-0.302	-0.572	-0.970	+0.261	-0.008	-0.717
0.3	-0.038	0.008	-0.141	-0.676	-0.847	+0.085	-0.008	-0.770
0.4	-0.010	0.006	+0.011	-0.650	-0.643	-0.145	-0.008	-0.796
0.5	+0.002	0.003	+0.133	-0.533	-0.395	-0.395	-0.008	-0.798
0.6	-	0.002	+0.210	-0.359	-0.145	-0.643	-0.008	-0.796
0.7	-	0.001	+0.245	-0.161	+0.085	-0.847	-0.008	-0.770
0.8	-	-	+0.236	+0.025	+0.261	-0.970	-0.008	-0.717
0.9	-	-	+0.190	+0.172	+0.362	-0.979	-0.008	-0.645
1.0	-	-	+0.125	+0.267	+0.392	-0.906	-0.008	-0.512

Actual Stresses and Deflections :-

$$\text{with } p_0 = 66 \# / \text{sq. ft}$$

$$T_2 = 20 \text{ ft}$$

$$p' = \frac{4}{\pi} p_0 T_2 = 1680.67 \# / \text{ft}$$

Assume that the shell is made of concrete with a "E" =  $2 \times 10^6 \# / \text{sq. inch}$ . From the tables I-4, 5, 6, 7, 8 the following stresses and deflections are obtained.

Table I-9      STRESSES AND DEFLECTIONS

$y/b$	$N_{xx} (x=0)$ (#/ft)	$N_{yy} (x=0)$ (#/ft)	$N_{yx} (x=a/2)$ (#/ft)	$M_{yy} (x=0)$ #	$w (x=0)$ inches
0.0	+17,143	-87	+4092	+5.3	-0.38
0.1	+5,107	-903	+6214	-95.6	-0.43
0.2	-4,202	-1,817	+5850	-127.5	-0.48
0.3	-10,821	-2560	+4563	-92.1	-0.51
0.4	-14,803	-3039	+2475	-61.1	-0.53
0.5	-16,212	-3398	0	-58.4	-0.53
0.6	-14,803	-3039	-2475	-61.1	-0.53
0.7	-10,821	-2560	-4563	-92.1	-0.51
0.8	-4,202	-1,817	-5850	-127.5	-0.48
0.9	+5,107	-903	-6214	-95.6	-0.43
1.0	+17,143	-87	-4092	+5.3	-0.38



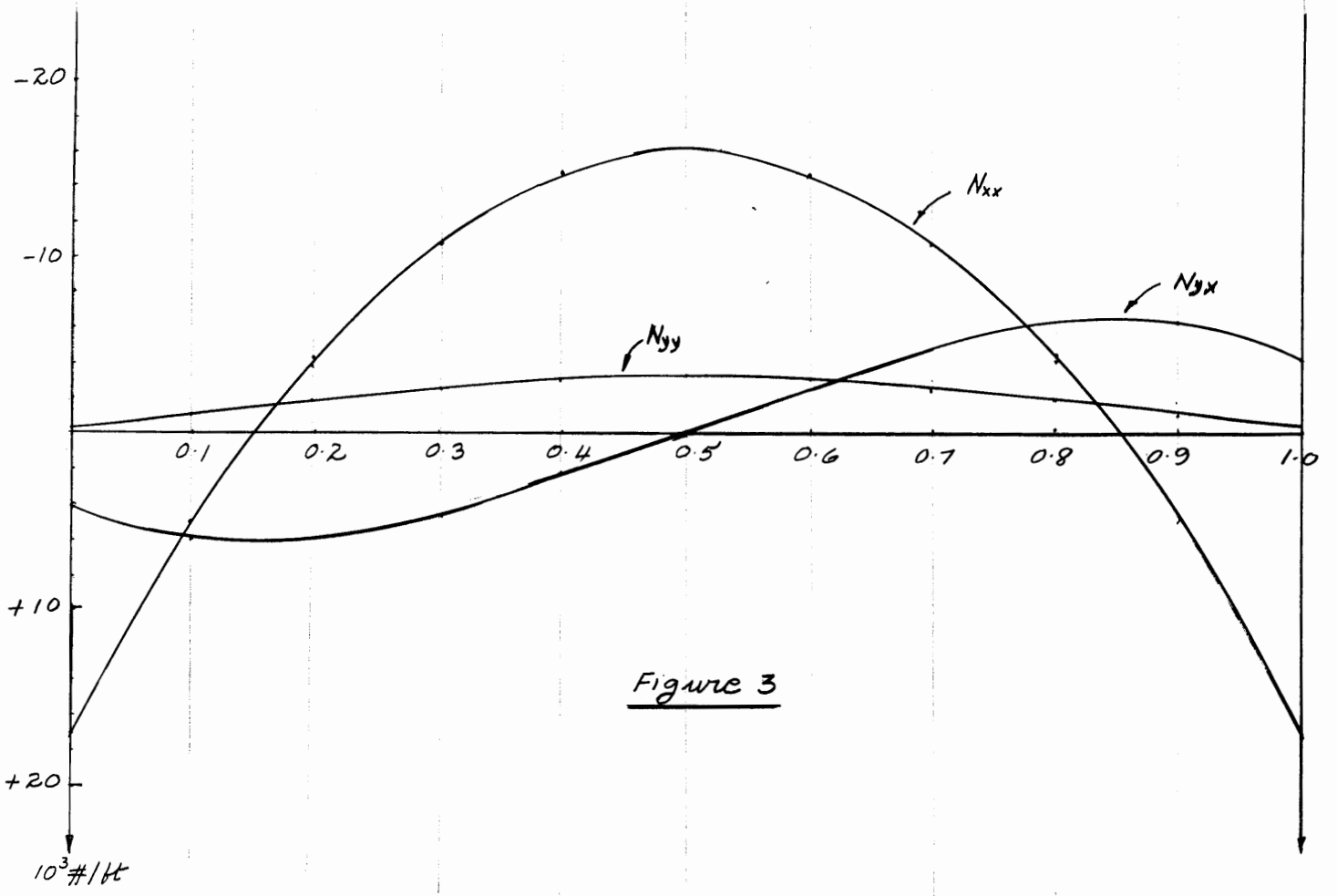


Figure 3

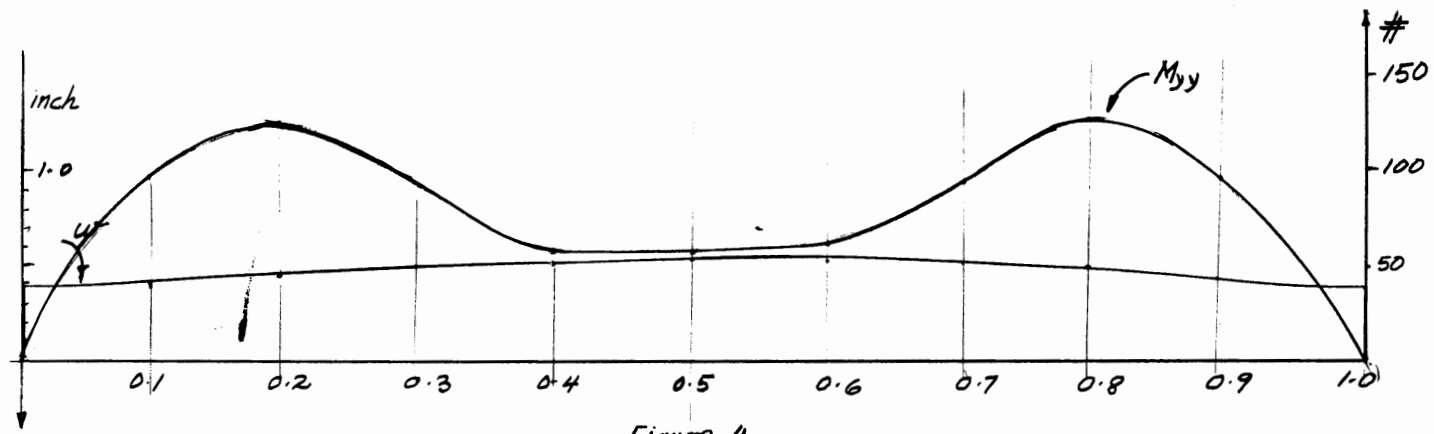


Figure 4

T A B L E S

TABLE 1.—CHARACTERISTIC COEFFICIENTS [3]

H	[H]	$\hat{H}_1$	$\hat{H}_2$
$N_{xx}$	$\frac{1}{\epsilon} \cos \lambda x$	$-2 \hat{\kappa}_1 \hat{\mu}_1 + i(\hat{\kappa}_1^2 - \hat{\mu}_1^2)$	$2 \hat{\kappa}_2 \hat{\mu}_2 - i(\hat{\kappa}_2^2 - \hat{\mu}_2^2)$
$N_{yy}$	$\cos \lambda x$	$-i$	$+i$
$N_{xy}$	$\frac{\sin \lambda x}{\sqrt{\epsilon}}$	$+\hat{\mu}_1 - i\hat{\kappa}_1$	$-\hat{\mu}_2 + i\hat{\kappa}_2$
$M_{xx}$	$\frac{\epsilon k_2}{2\lambda} \cos \lambda x$	$\epsilon - \nu(\hat{\kappa}_1^2 - \hat{\mu}_1^2) - i\nu 2\hat{\kappa}_1 \hat{\mu}_1$	$\epsilon - \nu(\hat{\kappa}_2^2 - \hat{\mu}_2^2) - i\nu 2\hat{\kappa}_2 \hat{\mu}_2$
$M_{yy}$	$\frac{\epsilon k_2}{2\lambda} \cos \lambda x$	$\nu\epsilon - (\hat{\kappa}_1^2 - \hat{\mu}_1^2) - i 2\hat{\kappa}_1 \hat{\mu}_1$	$\nu\epsilon - (\hat{\kappa}_2^2 - \hat{\mu}_2^2) - i 2\hat{\kappa}_2 \hat{\mu}_2$
$M_{xy}$	$\frac{(1-\nu)\epsilon k_2 \sqrt{\epsilon}}{2\lambda^2} \sin \lambda x$	$-\hat{\kappa}_1 - i\hat{\mu}_1$	$-\hat{\kappa}_2 - i\hat{\mu}_2$
$Q_x$	$\frac{\epsilon k_2}{2\lambda} \sin \lambda x$	$-\epsilon + (\hat{\kappa}_1^2 - \hat{\mu}_1^2) + i 2\hat{\kappa}_1 \hat{\mu}_1$	$-\epsilon + (\hat{\kappa}_2^2 - \hat{\mu}_2^2) + i 2\hat{\kappa}_2 \hat{\mu}_2$
$R_x$	$\frac{\epsilon k_2}{2\lambda} \sin \lambda x$	$-\epsilon + (2-\nu)(\hat{\kappa}_1^2 - \hat{\mu}_1^2) + i 2(2-\nu)\hat{\kappa}_1 \hat{\mu}_1$	$-\epsilon + (2-\nu)(\hat{\kappa}_2^2 - \hat{\mu}_2^2) + i 2(2-\nu)\hat{\kappa}_2 \hat{\mu}_2$
$Q_y$	$\frac{\sqrt{\epsilon} k_2}{2\lambda} \cos \lambda x$	$\hat{\kappa}_1 (\hat{\kappa}_1^2 - 3\hat{\mu}_1^2 - \epsilon) + i\hat{\mu}_1 (3\hat{\kappa}_1^2 - \hat{\mu}_1^2 - \epsilon)$	$\hat{\kappa}_2 (\hat{\kappa}_2^2 - 3\hat{\mu}_2^2 - \epsilon) + i\hat{\mu}_2 (3\hat{\kappa}_2^2 - \hat{\mu}_2^2 - \epsilon)$
$R_y$	$\frac{\sqrt{\epsilon} k_2}{2\lambda} \cos \lambda x$	$\hat{\kappa}_1 [\hat{\kappa}_1^2 - 3\hat{\mu}_1^2 - \epsilon(2-\nu)] + i\hat{\mu}_1 [3\hat{\kappa}_1^2 - \hat{\mu}_1^2 - \epsilon(2-\nu)]$	$\hat{\kappa}_2 [\hat{\kappa}_2^2 - 3\hat{\mu}_2^2 - \epsilon(2-\nu)] + i\hat{\mu}_2 [3\hat{\kappa}_2^2 - \hat{\mu}_2^2 - \epsilon(2-\nu)]$
w	$\frac{2\cos \lambda x}{Ehk_2 \epsilon^2}$	$+1$	$+1$
$w_x$	$\frac{2\lambda \sin \lambda x}{Ehk_2 \epsilon^2}$	$-1$	$-1$
$w_y$	$\frac{2\lambda \cos \lambda x}{Ehk_2 \epsilon^2 \sqrt{\epsilon}}$	$-\hat{\kappa}_1 - i\hat{\mu}_1$	$-\hat{\kappa}_2 - i\hat{\mu}_2$
u	$\frac{\sin \lambda x}{Eh\lambda}$	$\frac{2(1+\gamma)}{\epsilon(\epsilon - \hat{\kappa}_1^2 + \hat{\mu}_1^2 - i 2\hat{\kappa}_1 \hat{\mu}_1)} + i(1+\nu)$	$\frac{2(1+\gamma)}{\epsilon(\epsilon - \hat{\kappa}_2^2 + \hat{\mu}_2^2 - i 2\hat{\kappa}_2 \hat{\mu}_2)} - i(1+\nu)$
v	$\frac{\cos \lambda x}{\sqrt{\epsilon} Eh\lambda}$	$\frac{-2(1+\gamma)(\hat{\kappa}_1 + i\hat{\mu}_1)}{\epsilon(\epsilon - \hat{\kappa}_1^2 + \hat{\mu}_1^2 - i 2\hat{\kappa}_1 \hat{\mu}_1)} + i(1+\nu)(\hat{\kappa}_1 + i\hat{\mu}_1)$	$\frac{-2(1+\gamma)(\hat{\kappa}_2 + i\hat{\mu}_2)}{\epsilon(\epsilon - \hat{\kappa}_2^2 + \hat{\mu}_2^2 - i 2\hat{\kappa}_2 \hat{\mu}_2)} - i(1+\nu)(\hat{\kappa}_2 + i\hat{\mu}_2)$

CHARACTERISTIC COEFFICIENTS

TABLE 2.1

GAMMA = -0.95

DISPLACEMENT L

R(Y)

EPSILON	REAL P1	IMAC P1	REAL H2	IMAC H2	REAL H1	IMAG H1	REAL P2	IMAG P2	IMAG H2
0.01	9999.999878	1.00000	-0.00000	-0.947368	-0.001000	-0.000000	-1851.939590	1851.842133	
0.02	9999.999878	1.00000	-0.00000	-0.947368	-0.002828	-0.002828	-654.811234	654.673409	
0.03	9999.999878	1.00000	-0.00000	-0.947368	-0.005186	-0.005186	-356.481026	356.312206	
0.04	1638.400854	1.00000	0.000002	-0.947368	-0.007840	-0.007840	-231.595087	231.377840	
0.05	819.200348	1.00000	0.000003	-0.947368	-0.010831	-0.010831	-165.763269	165.513399	
0.06	546.133461	1.00000	0.000005	-0.947368	-0.014300	-0.014300	-126.143079	125.867905	
0.07	397.370506	1.00000	0.000007	-0.947368	-0.018015	-0.018015	-100.141921	99.844312	
0.08	295.129620	1.00000	0.000009	-0.947368	-0.021938	-0.021938	-82.002800	81.683919	
0.09	236.482769	1.00000	0.000012	-0.947368	-0.026250	-0.026250	-68.758417	68.420218	
0.10	190.460182	1.00000	0.000015	-0.947368	-0.030739	-0.030739	-58.741316	58.384545	
0.11	157.655138	1.00000	0.000018	-0.947368	-0.035465	-0.035465	-50.948877	50.574769	
0.12	132.026079	1.00000	0.000021	-0.947368	-0.040400	-0.040400	-44.746607	44.355684	
0.13	112.524981	1.306444	0.000025	-0.947368	-0.045560	-0.045560	-39.714753	39.307879	
0.14	97.050469	1.00000	0.000029	-0.947368	-0.050917	-0.050917	-35.566186	35.143965	
0.15	84.494059	1.00000	0.000033	-0.947368	-0.056463	-0.056463	-32.083668	31.661289	
0.16	74.243028	1.00000	0.000037	-0.947368	-0.062203	-0.062203	-29.164743	28.713309	
0.17	65.799758	1.00000	0.000042	-0.947368	-0.068121	-0.068121	-26.656970	26.191667	
0.18	58.663711	1.163055	0.000047	-0.947368	-0.074229	-0.074229	-24.493467	24.014636	
0.19	52.633009	1.00000	0.000053	-0.947369	-0.080499	-0.080499	-22.611636	22.119650	
0.20	47.514824	1.00000	0.000058	-0.947369	-0.086937	-0.086937	-20.962792	20.458033	
0.21	43.085986	1.00000	0.000064	-0.947369	-0.093538	-0.093538	-19.5008610	18.991352	
0.22	38.255098	1.00000	0.000071	-0.947369	-0.100298	-0.100298	-18.218454	17.689001	
0.23	35.924310	1.00000	0.000077	-0.947369	-0.107214	-0.107214	-17.067634	16.526279	
0.24	32.986447	1.00000	0.000084	-0.947369	-0.114281	-0.114281	-16.036071	15.483034	
0.25	30.403374	1.00000	0.000091	-0.947369	-0.121498	-0.121498	-15.107214	14.542754	
0.26	28.110743	1.00000	0.000099	-0.947369	-0.128860	-0.128860	-14.267386	13.691718	
0.27	26.065357	1.068303	0.000106	-0.947369	-0.136365	-0.136365	-13.505157	12.918483	
0.28	24.236060	1.00000	0.000114	-0.947369	-0.144011	-0.144011	-12.810915	12.213431	
0.29	22.594872	1.00000	0.000123	-0.947369	-0.151794	-0.151794	-12.176524	11.568423	
0.30	21.112989	1.00000	0.000131	-0.947369	-0.159713	-0.159713	-11.595071	10.976520	
0.31	19.771358	1.00000	0.000140	-0.947369	-0.167744	-0.167744	-11.060630	10.431790	
0.32	18.555815	1.058020	0.000149	-0.947369	-0.175947	-0.175947	-10.568097	9.929133	
0.33	17.447571	1.00000	0.000159	-0.947369	-0.184259	-0.184259	-10.113074	9.464126	
0.34	16.436548	1.048369	0.000169	-0.947369	-0.192697	-0.192697	-9.691725	9.032939	
0.35	15.510417	1.044338	0.000179	-0.947370	-0.201261	-0.201261	-9.300718	8.632221	
0.36	14.661229	1.040748	0.000189	-0.947370	-0.209948	-0.209948	-8.937122	8.259047	
0.37	13.879069	1.053077	0.000200	-0.947370	-0.218756	-0.218756	-8.598372	7.910832	
0.38	13.158496	1.048958	0.000211	-0.947370	-0.227684	-0.227684	-8.282196	7.585309	
0.39	12.492160	1.045323	0.000222	-0.947370	-0.236731	-0.236731	-7.986590	7.280459	
0.40	11.875438	1.042009	0.000233	-0.947370	-0.245894	-0.245894	-7.709768	6.994498	
0.41	11.303216	1.039009	0.000245	-0.947371	-0.255172	-0.255172	-7.450143	6.725829	
0.42	10.771485	1.051322	0.000257	-0.947371	-0.264565	-0.264565	-7.200294	6.473032	
0.43	10.276177	1.047822	0.000270	-0.947371	-0.274069	-0.274069	-6.976953	6.234826	
0.44	9.814451	1.044636	0.000282	-0.947371	-0.283685	-0.283685	-6.760977	6.010069	
0.45	9.383178	1.051105	0.000295	-0.947372	-0.293411	-0.293411	-6.557336	5.797726	

CHARACTERISTIC COEFFICIENTS

TABLE 2.1

GAMMA = -0.95

DISPLACEMENT L

R(Y)

EPSILON	REAL F1	IMAG F1	REAL F2	IMAG F2	REAL F1	IMAG F1	REAL F2	IMAG F2	IMAC H2	IMAC H2
0.48	-8.246952	1.048624	0.000336	-0.947373	-0.323236	0.00058	-6.011594	5.226302		
0.51	-7.305368	1.049651	0.000379	-0.947374	-0.354039	0.00073	-5.548288	4.737874		
0.54	-6.516239	1.051228	0.000425	-0.947375	-0.385700	0.00093	-5.151772	4.316654		
0.57	-5.848464	1.052353	0.000473	-0.947377	-0.418284	0.00114	-4.810663	3.950691		
0.60	-5.278323	1.052820	0.000525	-0.947379	-0.451738	0.00138	-4.513853	3.630464		
0.63	-4.787692	1.052690	0.000578	-0.947381	-0.486039	0.00163	-4.258609	3.348661		
0.66	-4.362443	1.052919	0.000635	-0.947384	-0.521107	0.00193	-4.030089	3.099179		
0.69	-3.991454	1.053062	0.000694	-0.947387	-0.557103	0.00226	-3.821989	2.877415		
0.72	-3.665901	1.051970	0.000755	-0.947390	-0.593829	0.00257	-3.627682	2.679407		
0.75	-3.378624	1.051807	0.000819	-0.947394	-0.631329	0.00296	-3.450409	2.501942		
0.78	-3.123858	1.051964	0.000880	-0.947398	-0.669586	0.00340	-3.308432	2.342350		
0.81	-2.896877	1.052132	0.000955	-0.947403	-0.708588	0.00389	-3.248727	2.198397		
0.84	-2.693750	1.052170	0.001027	-0.947409	-0.748318	0.00442	-3.143095	2.068194		
0.87	-2.511354	1.052349	0.001101	-0.947415	-0.788705	0.00502	-3.049999	1.950139		
0.90	-2.346853	1.052749	0.001178	-0.947421	-0.829917	0.00569	-2.968135	1.842802		
0.93	-2.198058	1.052296	0.001257	-0.947429	-0.871700	0.00633	-2.896382	1.745181		
0.96	-2.062982	1.052378	0.001339	-0.947437	-0.914205	0.00708	-2.833779	1.656074		
0.99	-1.940012	1.052350	0.001424	-0.947446	-0.957480	0.00789	-2.779493	1.574653		
1.02	-1.827748	1.052251	0.001511	-0.947455	-1.001336	0.00874	-2.732800	1.500137		
1.05	-1.724973	1.052279	0.001600	-0.947466	-1.045842	0.00960	-2.693064	1.431844		
1.08	-1.630643	1.052435	0.001692	-0.947478	-1.090990	0.01069	-2.659729	1.369169		
1.11	-1.543872	1.052483	0.001786	-0.947490	-1.136771	0.01178	-2.632301	1.311575		
1.14	-1.463870	1.052412	0.001883	-0.947504	-1.183176	0.01291	-2.610343	1.258587		
1.17	-1.389973	1.052227	0.001982	-0.947518	-1.230147	0.01408	-2.593465	1.209779		
1.20	-1.321541	1.052309	0.002083	-0.947534	-1.277826	0.01540	-2.581315	1.164770		
1.23	-1.258055	1.052437	0.002187	-0.947551	-1.326056	0.01682	-2.573578	1.123218		
1.26	-1.199070	1.052414	0.002293	-0.947569	-1.374880	0.01828	-2.569970	1.084816		
1.29	-1.144103	1.052361	0.002401	-0.947589	-1.424291	0.01983	-2.570230	1.049289		
1.32	-1.092970	1.052312	0.002511	-0.947610	-1.474281	0.02145	-2.574125	1.016375		
1.35	-1.045148	1.052377	0.002624	-0.947632	-1.524846	0.02322	-2.581436	0.985859		

Y = -0.95

TABLE 2.2

## CHARACTERISTIC COEFFICIENTS

EPSTUON	N(XY)		M(YX)		REAL H1		IMAG H1		REAL H2		IMAG H2		REAL H3		IMAG H3	
	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H3	IMAG H3	REAL H4	IMAG H4	REAL H5	IMAG H5	REAL H6	IMAG H6	REAL H7	IMAG H7	REAL H8	IMAG H8
0.01	C.	-0.100000	-5.746538	9.747051	-0.010000	-0.010000	-0.010000	-0.010000	-0.010000	-0.010000	-0.010000	-0.010000	-0.010000	-0.010000	-0.010000	-0.010000
0.02	C.	-0.141421	-6.891295	6.892750	-0.020000	-0.020000	-0.020000	-0.020000	-0.020000	-0.020000	-0.020000	-0.020000	-0.020000	-0.020000	-0.020000	-0.020000
0.03	C.	-0.173205	-5.625982	5.628647	-0.030000	-0.030000	-0.030000	-0.030000	-0.030000	-0.030000	-0.030000	-0.030000	-0.030000	-0.030000	-0.030000	-0.030000
0.04	C.	-0.203779	-4.871424	4.875371	-0.040000	-0.040000	-0.040000	-0.040000	-0.040000	-0.040000	-0.040000	-0.040000	-0.040000	-0.040000	-0.040000	-0.040000
0.05	C.	-0.229001	-4.356172	4.361627	-0.050000	-0.050000	-0.050000	-0.050000	-0.050000	-0.050000	-0.050000	-0.050000	-0.050000	-0.050000	-0.050000	-0.050000
0.06	C.	-0.251101	-3.975536	3.982692	-0.060000	-0.060000	-0.060000	-0.060000	-0.060000	-0.060000	-0.060000	-0.060000	-0.060000	-0.060000	-0.060000	-0.060000
0.07	C.	-0.271284	-3.679438	3.688451	-0.070000	-0.070000	-0.070000	-0.070000	-0.070000	-0.070000	-0.070000	-0.070000	-0.070000	-0.070000	-0.070000	-0.070000
0.08	C.	-0.290136	-3.440516	3.451517	-0.080000	-0.080000	-0.080000	-0.080000	-0.080000	-0.080000	-0.080000	-0.080000	-0.080000	-0.080000	-0.080000	-0.080000
0.09	C.	-0.307831	-3.242374	3.255502	-0.090000	-0.090000	-0.090000	-0.090000	-0.090000	-0.090000	-0.090000	-0.090000	-0.090000	-0.090000	-0.090000	-0.090000
0.10	C.	-0.324423	-3.074532	3.089902	-0.100000	-0.100000	-0.100000	-0.100000	-0.100000	-0.100000	-0.100000	-0.100000	-0.100000	-0.100000	-0.100000	-0.100000
0.11	C.	-0.340245	-2.929916	2.947650	-0.110000	-0.110000	-0.110000	-0.110000	-0.110000	-0.110000	-0.110000	-0.110000	-0.110000	-0.110000	-0.110000	-0.110000
0.12	C.	-0.355404	-2.803574	2.823777	-0.120000	-0.120000	-0.120000	-0.120000	-0.120000	-0.120000	-0.120000	-0.120000	-0.120000	-0.120000	-0.120000	-0.120000
0.13	C.	-0.369914	-2.691909	2.714689	-0.130000	-0.130000	-0.130000	-0.130000	-0.130000	-0.130000	-0.130000	-0.130000	-0.130000	-0.130000	-0.130000	-0.130000
0.14	C.	-0.383875	-2.592242	2.617701	-0.140000	-0.140000	-0.140000	-0.140000	-0.140000	-0.140000	-0.140000	-0.140000	-0.140000	-0.140000	-0.140000	-0.140000
0.15	C.	-0.397354	-2.502535	2.530769	-0.150000	-0.150000	-0.150000	-0.150000	-0.150000	-0.150000	-0.150000	-0.150000	-0.150000	-0.150000	-0.150000	-0.150000
0.16	C.	-0.410388	-2.421197	2.452300	-0.160000	-0.160000	-0.160000	-0.160000	-0.160000	-0.160000	-0.160000	-0.160000	-0.160000	-0.160000	-0.160000	-0.160000
0.17	C.	-0.423013	-2.346974	2.381040	-0.170000	-0.170000	-0.170000	-0.170000	-0.170000	-0.170000	-0.170000	-0.170000	-0.170000	-0.170000	-0.170000	-0.170000
0.18	C.	-0.435282	-2.278861	2.315974	-0.180000	-0.180000	-0.180000	-0.180000	-0.180000	-0.180000	-0.180000	-0.180000	-0.180000	-0.180000	-0.180000	-0.180000
0.19	C.	-0.447213	-2.216036	2.256283	-0.190000	-0.190000	-0.190000	-0.190000	-0.190000	-0.190000	-0.190000	-0.190000	-0.190000	-0.190000	-0.190000	-0.190000
0.20	C.	-0.458828	-2.157826	2.201293	-0.200000	-0.200000	-0.200000	-0.200000	-0.200000	-0.200000	-0.200000	-0.200000	-0.200000	-0.200000	-0.200000	-0.200000
0.21	C.	-0.470162	-2.103672	2.150438	-0.210000	-0.210000	-0.210000	-0.210000	-0.210000	-0.210000	-0.210000	-0.210000	-0.210000	-0.210000	-0.210000	-0.210000
0.22	C.	-0.481227	-2.053104	2.103249	-0.220000	-0.220000	-0.220000	-0.220000	-0.220000	-0.220000	-0.220000	-0.220000	-0.220000	-0.220000	-0.220000	-0.220000
0.23	C.	-0.492039	-2.005725	2.059327	-0.230000	-0.230000	-0.230000	-0.230000	-0.230000	-0.230000	-0.230000	-0.230000	-0.230000	-0.230000	-0.230000	-0.230000
0.24	C.	-0.502625	-1.961196	2.018331	-0.240000	-0.240000	-0.240000	-0.240000	-0.240000	-0.240000	-0.240000	-0.240000	-0.240000	-0.240000	-0.240000	-0.240000
0.25	C.	-0.512988	-1.919228	1.979969	-0.250000	-0.250000	-0.250000	-0.250000	-0.250000	-0.250000	-0.250000	-0.250000	-0.250000	-0.250000	-0.250000	-0.250000
0.26	C.	-0.523146	-1.879568	1.943989	-0.260000	-0.260000	-0.260000	-0.260000	-0.260000	-0.260000	-0.260000	-0.260000	-0.260000	-0.260000	-0.260000	-0.260000
0.27	C.	-0.533113	-1.841999	1.910171	-0.270000	-0.270000	-0.270000	-0.270000	-0.270000	-0.270000	-0.270000	-0.270000	-0.270000	-0.270000	-0.270000	-0.270000
0.28	C.	-0.542896	-1.806331	1.878323	-0.280000	-0.280000	-0.280000	-0.280000	-0.280000	-0.280000	-0.280000	-0.280000	-0.280000	-0.280000	-0.280000	-0.280000
0.29	C.	-0.552505	-1.772397	1.848277	-0.290000	-0.290000	-0.290000	-0.290000	-0.290000	-0.290000	-0.290000	-0.290000	-0.290000	-0.290000	-0.290000	-0.290000
0.30	C.	-0.561950	-1.740048	1.819884	-0.300000	-0.300000	-0.300000	-0.300000	-0.300000	-0.300000	-0.300000	-0.300000	-0.300000	-0.300000	-0.300000	-0.300000
0.31	C.	-0.571240	-1.709155	1.793013	-0.310000	-0.310000	-0.310000	-0.310000	-0.310000	-0.310000	-0.310000	-0.310000	-0.310000	-0.310000	-0.310000	-0.310000
0.32	C.	-0.580360	-1.679602	1.767546	-0.320000	-0.320000	-0.320000	-0.320000	-0.320000	-0.320000	-0.320000	-0.320000	-0.320000	-0.320000	-0.320000	-0.320000
0.33	C.	-0.589379	-1.651284	1.743379	-0.330000	-0.330000	-0.330000	-0.330000	-0.330000	-0.330000	-0.330000	-0.330000	-0.330000	-0.330000	-0.330000	-0.330000
0.34	C.	-0.598242	-1.624109	1.720418	-0.340000	-0.340000	-0.340000	-0.340000	-0.340000	-0.340000	-0.340000	-0.340000	-0.340000	-0.340000	-0.340000	-0.340000
0.35	C.	-0.606977	-1.597994	1.698577	-0.350000	-0.350000	-0.350000	-0.350000	-0.350000	-0.350000	-0.350000	-0.350000	-0.350000	-0.350000	-0.350000	-0.350000
0.36	C.	-0.615586	-1.572864	1.677782	-0.360000	-0.360000	-0.360000	-0.360000	-0.360000	-0.360000	-0.360000	-0.360000	-0.360000	-0.360000	-0.360000	-0.360000
0.37	C.	-0.624078	-1.548650	1.657963	-0.370000	-0.370000	-0.370000	-0.370000	-0.370000	-0.370000	-0.370000	-0.370000	-0.370000	-0.370000	-0.370000	-0.370000
0.38	C.	-0.632455	-1.525291	1.639058	-0.380000	-0.380000	-0.380000	-0.380000	-0.380000	-0.380000	-0.380000	-0.380000	-0.380000	-0.380000	-0.380000	-0.380000
0.39	C.	-0.640723	-1.502730	1.621010	-0.390000	-0.390000	-0.390000	-0.390000	-0.390000	-0.390000	-0.390000	-0.390000	-0.390000	-0.390000	-0.390000	-0.390000
0.40	C.	-0.648885	-1.480918	1.603766	-0.400000	-0.400000	-0.400000	-0.400000	-0.400000	-0.400000	-0.400000	-0.400000	-0.400000	-0.400000	-0.400000	-0.400000
0.41	C.	-0.656946	-1.459807	1.587289	-0.410000	-0.410000	-0.410000	-0.410000	-0.410000	-0.410000	-0.410000	-0.410000	-0.410000	-0.410000	-0.410000	-0.410000
0.42	C.	-0.664909	-1.439355	1.571509	-0.420000	-0.420000	-0.420000	-0.420000	-0.420000	-0.420000	-0.420000	-0.420000	-0.420000	-0.420000	-0.420000	-0.420000
0.43	C.	-0.672778	-1.419523	1.556411	-0.430000	-0.430000	-0.430000	-0.430000	-0.430000	-0.430000	-0.430000	-0.430000	-0.430000	-0.430000	-0.430000	-0.430000
0.44	C.	-0.680556	-1.400274	1.541950	-0.440000	-0.440000	-0.440000	-0.440000	-0.440000	-0.440000	-0.440000	-0.440000	-0.440000	-0.440000	-0.440000	-0.440000
0.45	C.	-0.688246	-1.381576	1.528054	-0.450000	-0.450000	-0.450000	-0.450000	-0.450000	-0.450000	-0.450000	-0.450000	-0.450000	-0.450000	-0.450000	-0.450000

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CHARACTERISTIC COEFFICIENTS

TABLE 2.2

GAMMA = -0.95

M(YY)

N(XY)

EPSILON	REAL F1	IMAG F1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL F2	IMAG H2
0.48	C.00C1C5	-0.71C817	-1.328493	1.489844	-C.505261	-C.00C149	-0.454730	-3.958455
0.51	C.00C124	-C.732693	-1.279399	1.456029	-C.536839	-C.00C182	-0.483161	-3.725684
0.54	C.00C148	-0.753935	-1.233726	1.426065	-0.568417	-C.00C223	-0.511583	-3.518748
0.57	C.00C173	-0.774593	-1.191019	1.399475	-C.599995	-C.00C268	-0.540005	-3.333604
0.60	C.00C199	-0.794715	-1.150904	1.375866	-C.631572	-C.00C316	-0.568427	-3.166982
0.63	C.00C224	-0.814340	-1.113075	1.354912	-C.663150	-C.00C365	-0.596850	-3.016238
0.66	C.00C253	-C.8335C3	-1.077276	1.336337	-C.694727	-C.00C421	-0.625273	-2.879207
0.69	C.00C283	-C.852234	-1.043293	1.3199C8	-C.7263C3	-C.00C483	-0.653697	-2.7541C2
0.72	C.00C3C8	-C.87C563	-1.010947	1.305425	-C.757879	-C.00C537	-0.682121	-2.639433
0.75	C.00C340	-C.888513	-C.98C087	1.292716	-0.789454	-C.00C6C5	-0.71C545	-2.533948
0.78	C.00C377	-C.9061C7	-C.950582	1.281630	-0.821029	-C.00C683	-0.738971	-2.436589
0.81	C.00C415	-C.923365	-C.922322	1.272036	-C.8526C3	-C.00C767	-0.767396	-2.346453
0.84	C.00C455	-C.94C3C7	-C.895213	1.263815	-C.884177	-C.00C856	-0.795823	-2.262768
0.87	C.00C498	-C.956948	-C.869173	1.256866	-C.915749	-C.00C954	-0.824251	-2.184866
0.90	C.00C546	-C.9733C4	-C.844130	1.251093	-0.947321	-C.00C1064	-0.852679	-2.112172
0.93	C.00C588	-C.989389	-C.820024	1.246414	-0.978891	-C.00C1163	-0.8811C8	-2.04418C
0.96	C.00C637	-1.005217	-C.7968C1	1.242752	-1.010461	-C.00C1281	-0.909539	-1.980453
0.99	C.00C688	-1.02C758	-C.774414	1.240035	-1.042029	-C.00C14C5	-0.937971	-1.9206C2
1.02	C.00C740	-1.036145	-C.752820	1.2382C1	-1.073595	-C.00C1533	-0.9664C4	-1.864286
1.05	C.00C795	-1.051266	-C.731983	1.237190	-1.105161	-C.00C1672	-0.994839	-1.811204
1.08	C.00C855	-1.066173	-C.711869	1.236945	-1.136724	-C.00C1824	-1.023276	-1.761087
1.11	C.00C917	-1.08C873	-C.692449	1.237416	-1.168286	-C.00C1981	-1.051714	-1.713694
1.14	C.00C978	-1.095375	-C.673694	1.238555	-1.199846	-C.00C2143	-1.08C154	-1.668813
1.17	C.00C1040	-1.109687	-C.655580	1.240315	-1.2314C3	-C.00C2307	-1.108596	-1.626250
1.20	C.00C11C9	-1.123815	-C.638083	1.242655	-1.262959	-C.00C2492	-1.137C41	-1.585833
1.23	C.00C11R2	-1.137767	-C.621182	1.245534	-1.294512	-C.00C2888	-1.165488	-1.5474C5
1.26	C.00C1254	-1.151548	-C.604855	1.248914	-1.326062	-C.00C2888	-1.193937	-1.510825
1.29	C.00C1328	-1.165166	-C.589085	1.252761	-1.357610	-C.00C3C95	-1.222389	-1.475966
1.32	C.00C14C4	-1.178625	-C.573852	1.257040	-1.389155	-C.00C3310	-1.250845	-1.4427C9
1.35	C.00C1496	-1.191931	-C.559137	1.261720	-1.420696	-C.00C3543	-1.2793C3	-1.410950

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Y = -0.95

CHARACTERISTIC COEFFICIENTS

TABLE 2.3

GAMMA = -0.95

DISPLACEMENT V

N(XX)

EPSILON	REAL F1	IMAG F1	REAL F2	IMAG F2	REAL F1	IMAG F1	REAL F2	IMAG F2	IMAG F1	REAL F2	IMAG F2
0.01	959.999977	0.100000	10.259513	-10.260053	-0.	0.010000	189.999596	-0.010000	0.010000	189.999596	-0.010000
0.02	1414.213931	0.141421	7.253999	-7.255526	-0.	0.020000	95.000000	-0.020000	0.020000	95.000000	-0.020000
0.03	1732.050766	0.173205	5.922086	-5.924892	-0.	0.030000	63.333333	-0.030000	0.030000	63.333333	-0.030000
0.04	332.571681	0.203779	5.127806	-5.131978	-0.	0.041526	47.500000	-0.041526	0.041526	47.500000	-0.041526
0.05	187.597559	0.229001	4.585430	-4.591202	-0.	0.052441	38.000000	-0.052441	0.052441	38.000000	-0.052441
0.06	137.134705	0.251101	4.184754	-4.192327	-0.	0.063052	31.666666	-0.063052	0.063052	31.666666	-0.063052
0.07	107.800298	0.271284	3.873067	-3.882606	-0.	0.073595	27.142857	-0.073595	0.073595	27.142857	-0.073595
0.08	86.788215	0.290136	3.621564	-3.633208	-0.	0.084179	23.750000	-0.084179	0.084179	23.750000	-0.084179
0.09	72.773124	0.307721	3.412987	-3.426882	-0.	0.094658	21.111112	-0.094658	0.094658	21.111112	-0.094658
0.10	61.789709	0.324423	3.236304	-3.252573	-0.	0.105250	19.000000	-0.105250	0.105250	19.000000	-0.105250
0.11	53.641294	0.340245	3.084070	-3.102841	-0.	0.115766	17.272729	-0.115766	0.115766	17.272729	-0.115766
0.12	46.922574	0.355404	2.951071	-2.972456	-0.	0.126312	15.833336	-0.126312	0.126312	15.833336	-0.126312
0.13	41.624498	0.369387	2.833521	-2.857633	-0.	0.136836	14.615388	-0.136836	0.136836	14.615388	-0.136836
0.14	37.255239	0.383875	2.726001	-2.755549	-0.	0.147360	13.571433	-0.147360	0.147360	13.571433	-0.147360
0.15	33.574041	0.397354	2.634164	-2.664049	-0.	0.157890	12.666672	-0.157890	0.157890	12.666672	-0.157890
0.16	30.468446	0.410388	2.548537	-2.581459	-0.	0.168418	11.875006	-0.168418	0.168418	11.875006	-0.168418
0.17	27.834136	0.423013	2.470399	-2.506646	-0.	0.178940	11.176478	-0.178940	0.178940	11.176478	-0.178940
0.18	25.535210	0.436063	2.398691	-2.437975	-0.	0.189470	10.555564	-0.189470	0.189470	10.555564	-0.189470
0.19	23.538181	0.447213	2.332950	-2.375152	-0.	0.200000	10.000010	-0.200000	0.200000	10.000010	-0.200000
0.20	21.801126	0.458928	2.271207	-2.317276	-0.	0.210523	9.500012	-0.210523	0.210523	9.500012	-0.210523
0.21	20.257384	0.470182	2.214253	-2.263754	-0.	0.221052	9.047632	-0.221052	0.221052	9.047632	-0.221052
0.22	18.890606	0.481327	2.161013	-2.214051	-0.	0.231579	8.636379	-0.231579	0.231579	8.636379	-0.231579
0.23	17.676174	0.492039	2.111130	-2.167867	-0.	0.242103	8.260887	-0.242103	0.242103	8.260887	-0.242103
0.24	16.579758	0.502625	2.064247	-2.124723	-0.	0.252631	7.916687	-0.252631	0.252631	7.916687	-0.252631
0.25	15.586558	0.512988	2.020058	-2.084352	-0.	0.263156	7.600023	-0.263156	0.263156	7.600023	-0.263156
0.26	14.706034	0.523146	1.978300	-2.046489	-0.	0.273682	7.307718	-0.273682	0.273682	7.307718	-0.273682
0.27	13.895741	0.532610	1.938743	-2.010901	-0.	0.284209	7.037066	-0.284209	0.284209	7.037066	-0.284209
0.28	13.157658	0.542856	1.901186	-1.977387	-0.	0.294736	6.785746	-0.294736	0.294736	6.785746	-0.294736
0.29	12.483770	0.552505	1.865453	-1.945771	-0.	0.305261	6.551760	-0.305261	0.305261	6.551760	-0.305261
0.30	11.864449	0.561950	1.831390	-1.915895	-0.	0.315788	6.333373	-0.315788	0.315788	6.333373	-0.315788
0.31	11.294198	0.571240	1.798858	-1.887670	-0.	0.326316	6.129076	-0.326316	0.326316	6.129076	-0.326316
0.32	10.769381	0.580548	1.767736	-1.860824	-0.	0.336841	5.937548	-0.336841	0.336841	5.937548	-0.336841
0.33	10.283238	0.589379	1.737915	-1.835396	-0.	0.347368	5.757628	-0.347368	0.347368	5.757628	-0.347368
0.34	9.832957	0.597030	1.709297	-1.811238	-0.	0.357894	5.588293	-0.357894	0.357894	5.588293	-0.357894
0.35	9.414419	0.580737	1.681794	-1.788260	-0.	0.368421	5.428634	-0.368421	0.368421	5.428634	-0.368421
0.36	9.025208	0.591129	1.655327	-1.766382	-0.	0.378946	5.277846	-0.378946	0.378946	5.277846	-0.378946
0.37	8.661560	0.591782	1.629624	-1.745531	-0.	0.389473	5.135209	-0.389473	0.389473	5.135209	-0.389473
0.38	8.322095	0.602240	1.605221	-1.725643	-0.	0.399999	5.000000	-0.399999	0.399999	5.000000	-0.399999
0.39	8.003993	0.612409	1.581459	-1.706056	-0.	0.410525	4.871882	-0.410525	0.410525	4.871882	-0.410525
0.40	7.705737	0.622307	1.558484	-1.688517	-0.	0.421052	4.750000	-0.421052	0.421052	4.750000	-0.421052
0.41	7.425947	0.631959	1.536247	-1.671176	-0.	0.431578	4.634247	-0.431578	0.431578	4.634247	-0.431578
0.42	7.161930	0.641638	1.514703	-1.654586	-0.	0.442104	4.523918	-0.442104	0.442104	4.523918	-0.442104
0.43	6.913911	0.651408	1.493811	-1.638705	-0.	0.452630	4.418721	-0.452630	0.452630	4.418721	-0.452630
0.44	6.679209	0.660938	1.473533	-1.623496	-0.	0.463156	4.318306	-0.463156	0.463156	4.318306	-0.463156
0.45	6.457844	0.669392	1.453835	-1.608922	-0.	0.473682	4.222355	-0.473682	0.473682	4.222355	-0.473682



CHARACTERISTIC COEFFICIENTS

TABLE 2.3

EPSILON	REAL H1	DISPLACEMENT V		REAL H2	IMAG H2	REAL H1	IMAG H1	IMAG H1	REAL H2	IMAG H2	N (XX)	
		IMAG H1	REAL H1								IMAG H1	REAL H2
0.48	5.861975	0.677119	0.790497	1.397908	-1.568656	-0.000149	0.505261	3.958495	-0.625273	-0.454739		
0.51	5.352473	0.697224	0.808143	1.346176	-1.533140	-0.000182	0.536839	3.725684	-0.483161	-0.511583		
0.54	4.912677	0.716277	0.826450	1.298044	-1.501636	-0.000223	0.568417	3.518748	-0.511583	-0.540005		
0.57	4.530018	0.735055	0.843632	1.253031	-1.473684	-0.000268	0.599995	3.333604	-0.540005	-0.568427		
0.60	4.194576	0.753788	0.860198	1.210745	-1.448870	-0.000316	0.631572	3.166982	-0.568427	-0.596850		
0.63	3.898598	0.772505	0.876431	1.170860	-1.426850	-0.000365	0.663150	3.016238	-0.596850	-0.625273		
0.66	3.635869	0.790497	0.892476	1.133110	-1.407334	-0.000421	0.694727	2.873207	-0.625273	-0.653697		
0.69	3.401365	0.808143	0.909995	1.097269	-1.390076	-0.000483	0.726303	2.754102	-0.653697	-0.682121		
0.72	3.191104	0.826450	0.928044	1.063148	-1.374867	-0.000537	0.757879	2.639433	-0.682121	-0.710545		
0.75	3.001627	0.843632	0.946198	1.030586	-1.361524	-0.000605	0.789454	2.533948	-0.710545	-0.738971		
0.78	2.830152	0.860198	0.964311	0.999449	-1.349888	-0.000683	0.821029	2.436589	-0.738971	-0.767356		
0.81	2.674482	0.876431	0.982476	0.969619	-1.339821	-0.000767	0.852603	2.346453	-0.767356	-0.795823		
0.84	2.532558	0.892476	0.999995	0.940996	-1.331200	-0.000856	0.884177	2.262768	-0.795823	-0.824251		
0.87	2.402763	0.909995	1.017269	0.913494	-1.323916	-0.000954	0.915749	2.184866	-0.824251	-0.852679		
0.90	2.283684	0.928044	1.030586	0.887040	-1.317869	-0.001064	0.947321	2.112172	-0.852679	-0.881108		
0.93	2.174179	0.938941	1.046198	0.861567	-1.312971	-0.001183	0.978891	2.044180	-0.881108	-0.909539		
0.96	2.073141	0.953880	1.064311	0.837020	-1.309142	-0.001321	1.010461	1.980453	-0.909539	-0.937971		
0.99	1.979709	0.968654	1.082476	0.813347	-1.306307	-0.001465	1.042029	1.920602	-0.937971	-0.966404		
1.02	1.893110	0.983316	1.099995	0.790507	-1.304399	-0.001633	1.073595	1.864286	-0.966404	-0.994839		
1.05	1.812653	0.997679	1.117269	0.768458	-1.303355	-0.001824	1.105161	1.811204	-0.994839	-1.023276		
1.08	1.737737	1.011663	1.130586	0.747166	-1.303117	-0.002037	1.136724	1.761087	-1.023276	-1.051714		
1.11	1.667861	1.025561	1.146198	0.726599	-1.303630	-0.002263	1.168286	1.713694	-1.051714	-1.080194		
1.14	1.602569	1.035356	1.164311	0.706729	-1.304842	-0.002513	1.199846	1.668813	-1.080194	-1.108596		
1.17	1.541455	1.053176	1.182476	0.687528	-1.306708	-0.002787	1.231403	1.626250	-1.108596	-1.137041		
1.20	1.484117	1.066455	1.209995	0.668972	-1.309181	-0.003092	1.262959	1.585833	-1.137041	-1.165488		
1.23	1.430254	1.079593	1.237269	0.651038	-1.312219	-0.003428	1.294512	1.547405	-1.165488	-1.193937		
1.26	1.379599	1.092655	1.265586	0.633705	-1.315783	-0.003797	1.326062	1.510825	-1.193937	-1.222389		
1.29	1.331881	1.105653	1.294311	0.616952	-1.319834	-0.004193	1.357610	1.475966	-1.222389	-1.250845		
1.32	1.286871	1.118503	1.322476	0.600759	-1.324338	-0.004623	1.389155	1.442709	-1.250845	-1.279303		
1.35	1.244336	1.131054	1.350995	0.585108	-1.329261	-0.005093	1.420696	1.410950	-1.279303			

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA = -0.95

RY=1

EPSILON	A11	B11	A21	B21	A12	B12	A22	B22
0.01	9999.999878	5.025781	-5.077061	5.025781	-502.578079	-0.026450	0.026180	-0.026450
0.02	9999.999878	3.572170	-3.644726	3.572170	-178.608592	-0.036830	0.036830	-0.036830
0.03	6192.460388	2.931840	-3.020714	2.931840	-97.727997	-0.046271	0.046271	-0.046271
0.04	2980.863434	2.603768	-2.702238	2.603768	-62.698126	-0.054770	0.052523	-0.054770
0.05	1768.653351	2.354921	-2.463633	2.354921	-44.899721	-0.061890	0.058714	-0.061890
0.06	1089.040970	2.164293	-2.283027	2.164293	-34.318659	-0.068217	0.064031	-0.068217
0.07	745.377859	2.015770	-2.143866	2.015770	-27.382288	-0.074076	0.068796	-0.074076
0.08	537.145828	1.897350	-2.034069	1.897350	-22.530993	-0.079625	0.073165	-0.079625
0.09	402.839436	1.799169	-1.944111	1.799169	-18.989740	-0.084871	0.077159	-0.084871
0.10	311.647755	1.717048	-1.869702	1.717048	-16.304057	-0.089913	0.080321	-0.089913
0.11	247.306309	1.646609	-1.806665	1.646609	-14.213072	-0.094751	0.084375	-0.094751
0.12	200.370754	1.585889	-1.752965	1.585889	-12.544200	-0.099444	0.087554	-0.099444
0.13	164.547333	1.526246	-1.699375	1.526246	-11.142130	-0.103558	0.090100	-0.103558
0.14	138.310604	1.485509	-1.665881	1.485509	-10.068438	-0.108411	0.093422	-0.108411
0.15	117.280588	1.443612	-1.630277	1.443612	-9.130144	-0.112729	0.096102	-0.112729
0.16	100.576454	1.406027	-1.598789	1.406027	-8.334795	-0.116950	0.098630	-0.116950
0.17	87.113010	1.372077	-1.570773	1.372077	-7.653581	-0.121081	0.101015	-0.121081
0.18	75.942963	1.338241	-1.542228	1.338241	-7.048261	-0.124851	0.102943	-0.124851
0.19	67.035758	1.313291	-1.523367	1.313291	-6.550974	-0.129122	0.105409	-0.129122
0.20	59.457081	1.287605	-1.503183	1.287605	-6.100108	-0.133038	0.107429	-0.133038
0.21	53.073103	1.264031	-1.484985	1.264031	-5.701502	-0.136895	0.109343	-0.136895
0.22	47.650905	1.242290	-1.468519	1.242290	-5.347047	-0.140695	0.111154	-0.140695
0.23	43.010535	1.222173	-1.453588	1.222173	-5.030144	-0.144442	0.112868	-0.144442
0.24	39.011191	1.203538	-1.440045	1.203538	-4.745344	-0.148142	0.114491	-0.148142
0.25	35.542732	1.186200	-1.427728	1.186200	-4.488277	-0.151794	0.116025	-0.151794
0.26	32.516894	1.170048	-1.416524	1.170048	-4.255243	-0.155404	0.117476	-0.155404
0.27	29.831820	1.153760	-1.404861	1.153760	-4.038962	-0.158810	0.118648	-0.158810
0.28	27.523489	1.140858	-1.397049	1.140858	-3.849488	-0.162504	0.120140	-0.162504
0.29	25.451799	1.127628	-1.388600	1.127628	-3.672011	-0.165998	0.121359	-0.165998
0.30	23.609223	1.115210	-1.380916	1.115210	-3.508866	-0.169458	0.122506	-0.169458
0.31	21.963844	1.103533	-1.373934	1.103533	-3.358462	-0.172885	0.123585	-0.172885
0.32	20.470057	1.091508	-1.366320	1.091508	-3.214445	-0.176118	0.124396	-0.176118
0.33	19.162496	1.082161	-1.361857	1.082161	-3.07578	-0.179643	0.125544	-0.179643
0.34	17.951144	1.071509	-1.355593	1.071509	-2.968528	-0.182836	0.126250	-0.182836
0.35	16.869212	1.062320	-1.351004	1.062320	-2.857320	-0.186151	0.127084	-0.186151
0.36	15.886791	1.053616	-1.346886	1.053616	-2.753532	-0.189438	0.127858	-0.189438
0.37	14.988337	1.045092	-1.342855	1.045092	-2.655777	-0.192649	0.128511	-0.192649
0.38	14.172195	1.037287	-1.339616	1.037287	-2.564906	-0.195885	0.129174	-0.195885
0.39	13.425284	1.029878	-1.336764	1.029878	-2.479604	-0.199096	0.129782	-0.199096
0.40	12.740147	1.022835	-1.334277	1.022835	-2.399393	-0.202283	0.130337	-0.202283
0.41	12.110288	1.016136	-1.332135	1.016136	-2.323846	-0.205445	0.130840	-0.205445
0.42	11.526958	1.009483	-1.329960	1.009483	-2.251978	-0.208530	0.131222	-0.208530
0.43	10.991654	1.003428	-1.328476	1.003428	-2.184701	-0.211649	0.131628	-0.211649
0.44	10.496579	0.997656	-1.327285	0.997656	-2.121048	-0.214746	0.131986	-0.214746
0.45	10.036155	0.991973	-1.326142	0.991973	-2.060386	-0.217784	0.132249	-0.217784

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA = -0.95

NYX=1

RY=1

EPSILON	All	211	A21	221	A12	E12	A22	E22
0.48	8.345549	0.576813	-1.3224836	0.576813	-1.896991	-0.226858	0.13280	-0.226858
0.51	7.880276	0.563524	-1.325600	0.563524	-1.755919	-0.235739	0.133109	-0.235739
0.54	7.088324	0.551869	-1.328278	0.551869	-1.633002	-0.244446	0.132977	-0.244446
0.57	6.431652	0.541633	-1.332720	0.541633	-1.524992	-0.252988	0.132511	-0.252988
0.60	5.882024	0.532629	-1.338799	0.532629	-1.429335	-0.261373	0.131734	-0.261373
0.63	5.418182	0.524703	-1.346409	0.524703	-1.344009	-0.269605	0.130665	-0.269605
0.66	5.023802	0.517705	-1.355544	0.517705	-1.267370	-0.277681	0.129315	-0.277681
0.69	4.688420	0.511529	-1.365845	0.511529	-1.198132	-0.285607	0.127703	-0.285607
0.72	4.396371	0.506153	-1.377615	0.506153	-1.135267	-0.293392	0.125857	-0.293392
0.75	4.145655	0.501419	-1.390638	0.501419	-1.077839	-0.301023	0.123772	-0.301023
0.78	3.928157	0.497294	-1.404904	0.497294	-1.025144	-0.308506	0.121468	-0.308506
0.81	3.738924	0.493741	-1.420403	0.493741	-0.976568	-0.315843	0.118960	-0.315843
0.84	3.573914	0.490729	-1.437125	0.490729	-0.931668	-0.323037	0.116264	-0.323037
0.87	3.429770	0.488220	-1.455044	0.488220	-0.889947	-0.330085	0.113389	-0.330085
0.90	3.303737	0.486190	-1.474143	0.486190	-0.851059	-0.336988	0.110346	-0.336988
0.93	3.193653	0.484667	-1.494472	0.484667	-0.814724	-0.343759	0.107162	-0.343759
0.96	3.097445	0.483567	-1.515947	0.483567	-0.780632	-0.350381	0.103828	-0.350381
0.99	3.013571	0.482970	-1.538590	0.482970	-0.748570	-0.356863	0.100363	-0.356863
1.02	2.940667	0.482819	-1.562396	0.482819	-0.718339	-0.363207	0.096779	-0.363207
1.05	2.877541	0.483126	-1.587339	0.483126	-0.689753	-0.369409	0.093081	-0.369409
1.08	2.823179	0.483853	-1.613399	0.483853	-0.662671	-0.375470	0.089276	-0.375470
1.11	2.776751	0.485142	-1.640581	0.485142	-0.636952	-0.381393	0.085379	-0.381393
1.14	2.737506	0.486887	-1.668809	0.486887	-0.612403	-0.387181	0.081398	-0.387181
1.17	2.704789	0.489141	-1.698245	0.489141	-0.589160	-0.392835	0.077341	-0.392835
1.20	2.677964	0.491850	-1.729651	0.491850	-0.566876	-0.398347	0.073205	-0.398347
1.23	2.656551	0.495162	-1.763081	0.495162	-0.545555	-0.403721	0.069003	-0.403721
1.26	2.640130	0.498989	-1.792528	0.498989	-0.525130	-0.408744	0.064744	-0.408744
1.29	2.628273	0.503376	-1.825951	0.503376	-0.505529	-0.414074	0.060432	-0.414074
1.32	2.620622	0.508341	-1.860321	0.508341	-0.486693	-0.419051	0.056071	-0.419051
1.35	2.616816	0.513882	-1.895581	0.513882	-0.468561	-0.423891	0.051663	-0.423891

$\gamma = -0.95$

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA = -0.95

MY = 1

NY = 1

EPSILON	A13	B13	A23	B23	A14	B14	A24	B24
0.01	-49.742276	0.002645	-C.002618	C.002645	-9549.490723	0.497422	0.507708	-C.502578
0.02	-24.740948	0.005317	-C.005209	0.005317	-2400.126160	C.494819	0.515442	-0.505181
0.03	-16.406352	0.008014	-C.007771	0.008014	-1072.565582	C.492190	0.523203	-0.507810
0.04	-12.243764	0.010341	-C.009917	0.010341	-607.437332	C.469407	0.526059	-0.503093
0.05	-9.744193	0.012853	-C.012194	0.012853	-391.283123	C.460721	0.564174	-0.539279
0.06	-8.076718	0.015471	-C.014522	0.015471	-273.459366	C.456544	0.573270	-0.543456
0.07	-6.885230	0.018132	-C.016840	0.018132	-202.209166	C.453154	0.581597	-0.546846
0.08	-5.991451	0.020808	-C.019120	0.020808	-155.845240	C.449511	0.590156	-0.550489
0.09	-5.295972	0.023526	-C.021388	0.023526	-123.966258	C.446340	0.598264	-0.553660
0.10	-4.735460	0.026260	-C.023620	0.026260	-101.105775	C.442950	0.606575	-0.557050
0.11	-4.283926	0.029027	-C.025832	0.029027	-84.144611	C.439750	0.614708	-0.560250
0.12	-3.904218	0.031811	-C.028007	0.031811	-71.212534	C.436369	0.623010	-0.563631
0.13	-3.567948	0.034761	-C.030312	0.034761	-60.868263	C.435420	0.628623	-0.564580
0.14	-3.307164	0.037459	-C.032280	0.037459	-53.093969	C.429751	0.639490	-0.570249
0.15	-3.068209	0.040316	-C.034370	0.040316	-46.601895	0.426375	0.647797	-0.573625
0.16	-2.859041	0.043157	-C.036430	0.043157	-41.275384	0.422984	0.656124	-0.577016
0.17	-2.674406	0.046101	-C.038461	0.046101	-36.849913	C.419594	0.664457	-0.580406
0.18	-2.504465	0.049127	-C.040576	0.049127	-33.056554	C.417486	0.671305	-0.582514
0.19	-2.363285	0.051971	-C.042426	0.051971	-29.979281	C.412679	0.681270	-0.587321
0.20	-2.230982	0.054939	-C.044304	0.054939	-27.280567	C.409211	0.689702	-0.590789
0.21	-2.111243	0.057927	-C.046268	0.057927	-24.952944	C.405701	0.698183	-0.594259
0.22	-2.002354	0.060936	-C.048141	0.060936	-22.930894	C.402176	0.706691	-0.597824
0.23	-1.902903	0.063965	-C.049983	0.063965	-21.162876	C.398643	0.715223	-0.601357
0.24	-1.817179	0.067014	-C.051791	0.067014	-19.607982	C.395072	0.723802	-0.604928
0.25	-1.727809	0.070083	-C.053568	0.070083	-18.232986	C.391494	0.732407	-0.608906
0.26	-1.650338	0.073170	-C.055312	0.073170	-17.011096	C.387894	0.741050	-0.612106
0.27	-1.576951	0.076340	-C.057101	0.076340	-15.903709	C.384911	0.748953	-0.615089
0.28	-1.511971	0.079401	-C.058702	0.079401	-14.942390	C.380633	0.758452	-0.619367
0.29	-1.449936	0.082544	-C.060347	0.082544	-14.062235	C.376980	0.767208	-0.623020
0.30	-1.392037	0.085705	-C.061959	0.085705	-13.267208	C.373308	0.776006	-0.626692
0.31	-1.337876	0.088883	-C.063537	0.088883	-12.546634	C.369617	0.784847	-0.630383
0.32	-1.285907	0.092142	-C.065162	0.092142	-11.880397	C.366503	0.792990	-0.633497
0.33	-1.239417	0.095250	-C.066594	0.095250	-11.293980	C.362197	0.802651	-0.637803
0.34	-1.193600	0.098575	-C.068142	0.098575	-10.739124	C.358970	0.810979	-0.641030
0.35	-1.151406	0.101816	-C.069582	0.101816	-10.239207	C.355188	0.820034	-0.644812
0.36	-1.111562	0.105073	-C.070989	0.105073	-9.779678	C.351400	0.829130	-0.648600
0.37	-1.073601	0.108366	-C.072387	0.108366	-9.353874	C.347768	0.838054	-0.652232
0.38	-1.037945	0.111653	-C.073725	0.111653	-8.963258	C.343949	0.847255	-0.656051
0.39	-1.004132	0.114955	-C.075029	0.114955	-8.601872	C.340120	0.856504	-0.659880
0.40	-0.972025	0.118272	-C.076299	0.118272	-8.266879	C.336284	0.865801	-0.663716
0.41	-0.941505	0.121604	-C.077535	0.121604	-7.955796	C.332339	0.875150	-0.667561
0.42	-0.912214	0.124970	-C.078764	0.124970	-7.664366	C.328765	0.884315	-0.671235
0.43	-0.884563	0.128328	-C.079931	0.128328	-7.394935	C.324894	0.893783	-0.675106
0.44	-0.858193	0.131699	-C.081064	0.131699	-7.143503	C.321017	0.903306	-0.678983
0.45	-0.832877	0.135097	-C.082181	0.135097	-6.907335	C.317251	0.912729	-0.682749

UNIT EDGE LOADING MATRIX

TABLE 3

NY=1

MY=1

GAMMA = -0.95

EPSILON	A13	B13	A23	E23	A14	B14	A24	B24
0.48	-0.763758	0.145333	-0.085283	0.145333	-6.287564	0.305630	0.941737	-0.694370
0.51	-0.703020	0.155677	-0.088084	0.155677	-5.773824	0.293987	0.971284	-0.706013
0.54	-0.649349	0.166117	-0.090578	0.166117	-5.344138	0.282293	1.001467	-0.717707
0.57	-0.601680	0.176642	-0.092765	0.176642	-4.981928	0.270541	1.032356	-0.729459
0.60	-0.559153	0.187243	-0.094645	0.187243	-4.674555	0.258730	1.064012	-0.741270
0.63	-0.521067	0.197913	-0.096222	0.197913	-4.412272	0.246861	1.096492	-0.753139
0.66	-0.486837	0.208644	-0.097502	0.208644	-4.187352	0.234949	1.129830	-0.765051
0.69	-0.455945	0.219427	-0.098486	0.219427	-3.993978	0.222984	1.164096	-0.777016
0.72	-0.428155	0.230253	-0.099175	0.230253	-3.827378	0.210938	1.195386	-0.789062
0.75	-0.402959	0.241118	-0.099581	0.241118	-3.683541	0.198843	1.235696	-0.801157
0.78	-0.380130	0.252012	-0.099707	0.252012	-3.559418	0.186679	1.273102	-0.813321
0.81	-0.359428	0.262928	-0.099558	0.262928	-3.452457	0.174426	1.311673	-0.825574
0.84	-0.340645	0.273859	-0.099139	0.273859	-3.360656	0.162064	1.351474	-0.837936
0.87	-0.323594	0.284797	-0.098456	0.284797	-3.282250	0.149583	1.392552	-0.850417
0.90	-0.308118	0.295736	-0.097521	0.295736	-3.215697	0.136962	1.434956	-0.863038
0.93	-0.294087	0.306669	-0.096332	0.306669	-3.159940	0.124146	1.478795	-0.875854
0.96	-0.281363	0.317589	-0.094902	0.317589	-3.113757	0.111149	1.524050	-0.888851
0.99	-0.269844	0.328491	-0.093236	0.328491	-3.076459	0.097923	1.570801	-0.902077
1.02	-0.259432	0.339369	-0.091342	0.339369	-3.047186	0.084435	1.619093	-0.915565
1.05	-0.250040	0.350217	-0.089227	0.350217	-3.025311	0.070657	1.668956	-0.929343
1.08	-0.241587	0.361029	-0.086898	0.361029	-3.010265	0.056558	1.720417	-0.943442
1.11	-0.234007	0.371800	-0.084363	0.371800	-3.001601	0.042088	1.773527	-0.957912
1.14	-0.227235	0.382525	-0.081628	0.382525	-2.998899	0.027207	1.828317	-0.972793
1.17	-0.221215	0.393201	-0.078698	0.393201	-3.001787	0.011872	1.884811	-0.988128
1.20	-0.215851	0.403819	-0.075584	0.403819	-3.009871	-0.003939	1.942985	-1.003939
1.23	-0.211218	0.414376	-0.072291	0.414376	-3.022885	-0.020279	2.002872	-1.020279
1.26	-0.207154	0.424870	-0.068822	0.424870	-3.040600	-0.037204	2.064500	-1.037204
1.29	-0.203658	0.435256	-0.065186	0.435256	-3.062747	-0.054751	2.127857	-1.054751
1.32	-0.200696	0.445648	-0.061388	0.445648	-3.089110	-0.072967	2.192944	-1.072967
1.35	-0.198232	0.455922	-0.057433	0.455922	-3.119448	-0.091883	2.259724	-1.091883

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Y = -0.95

TABLE 2.1

GAMMA = -0.70

DISPLACEMENT L

R(Y)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.01	9999.999878	1.000000	-C.	-0.571429	-0.001000	-C.	-0.571429	-0.001000	-0.000000	-0.000000	-1171.365845	1171.282166
0.02	3589.554688	1.000000	C.000051	-0.571429	-0.001961	-C.	-0.571429	-0.001961	-0.000000	-0.000000	-414.258923	413.992268
0.03	1564.129333	1.000000	C.000117	-0.571429	-0.003561	-C.	-0.571429	-0.003561	-0.000000	-0.000000	-225.586578	225.256365
0.04	875.761665	1.000000	C.000210	-0.571429	-0.005467	-C.	-0.571429	-0.005467	-0.000000	-0.000000	-146.606781	146.224495
0.05	560.138779	1.400966	C.000328	-0.571429	-0.007637	-C.	-0.571429	-0.007637	0.000003	0.000003	-104.980426	104.552865
0.06	389.036449	1.402004	C.000472	-0.571430	-0.010040	-C.	-0.571430	-0.010040	0.000006	0.000006	-79.933053	79.464721
0.07	285.749966	1.413210	C.000643	-0.571430	-0.012650	-C.	-0.571430	-0.012650	0.000011	0.000011	-63.459077	62.993147
0.08	218.749826	1.415131	C.000840	-0.571432	-0.015454	-C.	-0.571432	-0.015454	0.000018	0.000018	-52.036930	51.496031
0.09	172.848272	1.423668	C.001063	-0.571434	-0.018441	-C.	-0.571434	-0.018441	0.000027	0.000027	-43.670269	43.096575
0.10	140.005064	1.425125	C.001312	-0.571437	-0.021599	-C.	-0.571437	-0.021599	0.000039	0.000039	-37.344253	36.739520
0.11	115.706269	1.425870	C.001567	-0.571440	-0.024912	-C.	-0.571440	-0.024912	0.000055	0.000055	-32.424998	31.790747
0.12	97.224028	1.428080	C.001889	-0.571445	-0.028392	-C.	-0.571445	-0.028392	0.000075	0.000075	-28.511066	27.848607
0.13	82.843475	1.427859	C.002217	-0.571451	-0.032014	-C.	-0.571451	-0.032014	0.000099	0.000099	-25.337146	24.647642
0.14	71.431313	1.427434	C.002571	-0.571459	-0.035779	-C.	-0.571459	-0.035779	0.000128	0.000128	-22.721622	22.006088
0.15	62.225372	1.428218	C.002951	-0.571469	-0.039681	-C.	-0.571469	-0.039681	0.000164	0.000164	-20.536399	19.795755
0.16	54.691076	1.427981	C.003358	-0.571481	-0.043715	-C.	-0.571481	-0.043715	0.000205	0.000205	-18.688837	17.923905
0.17	48.446822	1.428366	C.003790	-0.571496	-0.047878	-C.	-0.571496	-0.047878	0.000254	0.000254	-17.110440	16.321971
0.18	43.214133	1.428590	C.004249	-0.571513	-0.052105	-C.	-0.571513	-0.052105	0.000310	0.000310	-15.749597	14.938272
0.19	38.785966	1.428531	C.004733	-0.571533	-0.056574	-C.	-0.571533	-0.056574	0.000375	0.000375	-14.566753	13.733203
0.20	35.005339	1.428211	C.005244	-0.571557	-0.061100	-C.	-0.571557	-0.061100	0.000448	0.000448	-13.531142	12.675945
0.21	31.751821	1.428352	C.005780	-0.571585	-0.065743	-C.	-0.571585	-0.065743	0.000532	0.000532	-12.618514	11.742205
0.22	28.932021	1.428376	C.006343	-0.571616	-0.070497	-C.	-0.571616	-0.070497	0.000626	0.000626	-11.809519	10.912598
0.23	26.471984	1.428209	C.006931	-0.571653	-0.075362	-C.	-0.571653	-0.075362	0.000731	0.000731	-11.088555	10.171487
0.24	24.313105	1.428173	C.007545	-0.571694	-0.080336	-C.	-0.571694	-0.080336	0.000848	0.000848	-10.442914	9.506135
0.25	22.408217	1.428057	C.008185	-0.571742	-0.085415	-C.	-0.571742	-0.085415	0.000978	0.000978	-9.862155	8.906074
0.26	20.718912	1.428162	C.008850	-0.571795	-0.090598	-C.	-0.571795	-0.090598	0.001121	0.001121	-9.337626	8.362628
0.27	19.213940	1.428175	C.009540	-0.571854	-0.095883	-C.	-0.571854	-0.095883	0.001279	0.001279	-8.862104	7.868554
0.28	17.867412	1.428056	C.010256	-0.571920	-0.101270	-C.	-0.571920	-0.101270	0.001452	0.001452	-8.429520	7.417759
0.29	16.657858	1.428022	C.010997	-0.571994	-0.106755	-C.	-0.571994	-0.106755	0.001641	0.001641	-8.034734	7.005091
0.30	15.567322	1.427877	C.011763	-0.572076	-0.112338	-C.	-0.572076	-0.112338	0.001847	0.001847	-7.673377	6.626160
0.31	14.580718	1.427804	C.012554	-0.572166	-0.118018	-C.	-0.572166	-0.118018	0.002070	0.002070	-7.341705	6.277210
0.32	13.685248	1.427726	C.013369	-0.572265	-0.123794	-C.	-0.572265	-0.123794	0.002312	0.002312	-7.036500	5.955007
0.33	12.870043	1.427628	C.014209	-0.572374	-0.129663	-C.	-0.572374	-0.129663	0.002573	0.002573	-6.754977	5.656756
0.34	12.125802	1.427491	C.015072	-0.572493	-0.135626	-C.	-0.572493	-0.135626	0.002854	0.002854	-6.494721	5.380028
0.35	11.444533	1.427370	C.015960	-0.572622	-0.141682	-C.	-0.572622	-0.141682	0.003156	0.003156	-6.253621	5.122704
0.36	10.819344	1.427211	C.016871	-0.572763	-0.147829	-C.	-0.572763	-0.147829	0.003480	0.003480	-6.029834	4.882927
0.37	10.244251	1.427070	C.017805	-0.572916	-0.154067	-C.	-0.572916	-0.154067	0.003826	0.003826	-5.821734	4.659066
0.38	9.714056	1.426929	C.018762	-0.573081	-0.160356	-C.	-0.573081	-0.160356	0.004196	0.004196	-5.627892	4.449681
0.39	9.224217	1.426727	C.019742	-0.573259	-0.166815	-C.	-0.573259	-0.166815	0.004590	0.004590	-5.447039	4.253495
0.40	8.770749	1.426528	C.020744	-0.573451	-0.173323	-C.	-0.573451	-0.173323	0.005008	0.005008	-5.278050	4.069376
0.41	8.350147	1.426330	C.021768	-0.573657	-0.179920	-C.	-0.573657	-0.179920	0.005453	0.005453	-5.119923	3.896316
0.42	7.959323	1.426129	C.022813	-0.573878	-0.186605	-C.	-0.573878	-0.186605	0.005924	0.005924	-4.971761	3.733411
0.43	7.595544	1.425877	C.023880	-0.574115	-0.193379	-C.	-0.574115	-0.193379	0.006422	0.006422	-4.832764	3.579853
0.44	7.256376	1.425615	C.024966	-0.574368	-0.200242	-C.	-0.574368	-0.200242	0.006948	0.006948	-4.702211	3.434917
0.45	6.939656	1.425357	C.026072	-0.574637	-0.207192	-C.	-0.574637	-0.207192	0.007503	0.007503	-4.579454	3.297948

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CHARACTERISTIC COEFFICIENTS

TABLE 2.1

GAMMA = -0.7C

DISPLACEMENT L

R(Y)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL F2	IMAG H2
0.48	-6.105898	1.424441	C.029505	-C.575551	-C.228572	C.009346	-4.252370	2.929213		
0.51	-5.415643	1.423363	C.033096	-C.576635	-C.250746	C.011469	-3.977401	2.613970		
0.54	-4.837925	1.422056	C.036827	-C.577904	-C.273719	C.013888	-3.744672	2.342236		
0.57	-4.349696	1.420629	C.040676	-C.579370	-C.297502	C.016612	-3.546621	2.106352		
0.60	-3.933513	1.418956	C.044623	-C.581043	-C.322105	C.019650	-3.377370	1.900349		
0.63	-3.575982	1.417066	C.048643	-C.582932	-C.347543	C.023005	-3.232287	1.719515		
0.66	-3.266671	1.414959	C.052712	-C.585040	-C.373832	C.026676	-3.107679	1.560076		
0.69	-2.997364	1.412629	C.056804	-C.587370	-C.400988	C.030661	-3.000570	1.418978		
0.72	-2.761515	1.410075	C.060896	-C.589922	-C.429025	C.034949	-2.908538	1.293721		
0.75	-2.553851	1.407310	C.064961	-C.592650	-C.457959	C.039530	-2.829594	1.182237		
0.78	-2.370097	1.404329	C.068978	-C.595669	-C.487803	C.044388	-2.762095	1.082802		
0.81	-2.206746	1.401152	C.072923	-C.598847	-C.518569	C.049505	-2.704670	0.993960		
0.84	-2.060906	1.397786	C.076779	-C.602214	-C.550264	C.054862	-2.656168	0.914477		
0.87	-1.930177	1.394243	C.080526	-C.605756	-C.582894	C.060436	-2.615620	0.843296		
0.90	-1.812545	1.390543	C.084149	-C.609457	-C.616462	C.066204	-2.582202	0.779507		
0.93	-1.706322	1.386658	C.087637	-C.613301	-C.650969	C.072144	-2.555211	0.722318		
0.96	-1.610076	1.382728	C.090978	-C.617271	-C.686411	C.078232	-2.534047	0.671039		
0.99	-1.522591	1.378646	C.094165	-C.621351	-C.722785	C.084445	-2.518188	0.625066		
1.02	-1.442830	1.374476	C.097193	-C.625524	-C.760081	C.090762	-2.507186	0.583863		
1.05	-1.369899	1.370227	C.100057	-C.629773	-C.798292	C.097160	-2.500650	0.546957		
1.08	-1.303032	1.365918	C.102757	-C.634082	-C.837405	C.103672	-2.498236	0.513927		
1.11	-1.241565	1.361563	C.105293	-C.638437	-C.877408	C.110128	-2.499644	0.484358		
1.14	-1.184921	1.357176	C.107665	-C.642824	-C.918289	C.116661	-2.504608	0.458032		
1.17	-1.132597	1.352770	C.109878	-C.647230	-C.960031	C.123208	-2.512890	0.434528		
1.20	-1.084156	1.348358	C.111933	-C.651642	-1.002621	C.129753	-2.524281	0.413613		
1.23	-1.039212	1.343949	C.113837	-C.656051	-1.046043	C.136285	-2.538589	0.395043		
1.26	-0.997428	1.339552	C.115593	-C.660447	-1.090280	C.142793	-2.555644	0.378596		
1.29	-0.958504	1.335178	C.117208	-C.664822	-1.135318	C.149268	-2.575291	0.364072		
1.32	-0.922177	1.330823	C.118687	-C.669167	-1.181141	C.155701	-2.597388	0.351289		
1.35	-0.888213	1.326524	C.120037	-C.673475	-1.227734	C.162085	-2.621806	0.340085		

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γ = -0.70

CHARACTERISTIC COEFFICIENTS

TABLE 2.2

GAMMA = -0.70

N(XY)

M(YV)

EPSILON	REAL F1	IMAG F1	REAL F1	REAL H2	IMAG H2	REAL H1	REAL F2	IMAG F2	IMAG H2
0.01	G.	-0.10000	-6.366899	-6.366899	8.366899	-0.010000	-0.010000	-139.999998	-139.999998
0.02	G.	-0.168357	-5.915588	-5.915588	4.831350	-0.028358	-0.011642	-70.000000	-70.000000
0.03	C.	-0.206849	-4.829568	-4.829568	4.831350	-0.042787	-0.011642	-46.666669	-46.666669
0.04	C.	-0.239015	-4.181934	-4.181934	4.184668	-0.057128	-0.022872	-35.000008	-35.000008
0.05	C.	-0.267251	-3.739750	-3.739750	3.743508	-0.071423	-0.028577	-28.000016	-28.000016
0.06	C.	-0.292753	-3.413143	-3.413143	3.418163	-0.085754	-0.034296	-23.333362	-23.333362
0.07	C.	-0.316222	-3.159170	-3.159170	3.165445	-0.099956	-0.040004	-20.000045	-20.000045
0.08	C.	-0.338022	-2.954185	-2.954185	2.961912	-0.114286	-0.045714	-17.500067	-17.500067
0.09	C.	-0.358566	-2.784263	-2.784263	2.793489	-0.128569	-0.051431	-15.555651	-15.555651
0.10	C.	-0.377922	-2.640370	-2.640370	2.651169	-0.142855	-0.057145	-14.000131	-14.000131
0.11	C.	-0.396410	-2.516420	-2.516420	2.528870	-0.157141	-0.062859	-12.727447	-12.727447
0.12	C.	-0.414037	-2.408165	-2.408165	2.422361	-0.171427	-0.068573	-11.666893	-11.666893
0.13	C.	-0.430942	-2.312519	-2.312519	2.328526	-0.185711	-0.074289	-10.769519	-10.769519
0.14	C.	-0.447209	-2.227182	-2.227182	2.245071	-0.199956	-0.080004	-10.000360	-10.000360
0.15	C.	-0.462903	-2.150401	-2.150401	2.170241	-0.214279	-0.085721	-9.333776	-9.333776
0.16	C.	-0.478083	-2.080914	-2.080914	2.102671	-0.228563	-0.091437	-8.750537	-8.750537
0.17	C.	-0.492754	-2.017344	-2.017344	2.041282	-0.242846	-0.097154	-8.235938	-8.235938
0.18	C.	-0.507078	-1.959126	-1.959126	1.985207	-0.257128	-0.102872	-7.778542	-7.778542
0.19	C.	-0.520970	-1.905457	-1.905457	1.933741	-0.271409	-0.108591	-7.369320	-7.369320
0.20	C.	-0.534459	-1.855757	-1.855757	1.886305	-0.285688	-0.114312	-7.001049	-7.001049
0.21	C.	-0.547654	-1.809548	-1.809548	1.842416	-0.299967	-0.120033	-6.667881	-6.667881
0.22	C.	-0.560576	-1.7766426	-1.7766426	1.801670	-0.314244	-0.125756	-6.365032	-6.365032
0.23	C.	-0.573168	-1.726049	-1.726049	1.763725	-0.328520	-0.131480	-6.088551	-6.088551
0.24	C.	-0.585488	-1.688128	-1.688128	1.728289	-0.342793	-0.137207	-5.835144	-5.835144
0.25	C.	-0.597551	-1.652412	-1.652412	1.695111	-0.357064	-0.142935	-5.602046	-5.602046
0.26	C.	-0.609374	-1.618688	-1.618688	1.663976	-0.371333	-0.148667	-5.386916	-5.386916
0.27	C.	-0.620970	-1.586767	-1.586767	1.634696	-0.385599	-0.154401	-5.187761	-5.187761
0.28	C.	-0.632351	-1.556486	-1.556486	1.607105	-0.399862	-0.160138	-5.002872	-5.002872
0.29	C.	-0.643528	-1.527702	-1.527702	1.581060	-0.414122	-0.165878	-4.830775	-4.830775
0.30	C.	-0.654511	-1.500288	-1.500288	1.556434	-0.428377	-0.171623	-4.670196	-4.670196
0.31	C.	-0.665310	-1.474132	-1.474132	1.533113	-0.442629	-0.177371	-4.520021	-4.520021
0.32	C.	-0.675933	-1.449134	-1.449134	1.510998	-0.456875	-0.183125	-4.379278	-4.379278
0.33	C.	-0.686388	-1.425207	-1.425207	1.489999	-0.471117	-0.188883	-4.247113	-4.247113
0.34	C.	-0.696682	-1.402269	-1.402269	1.470036	-0.485352	-0.194647	-4.122772	-4.122772
0.35	C.	-0.706822	-1.380250	-1.380250	1.451037	-0.499582	-0.200418	-4.005586	-4.005586
0.36	C.	-0.716815	-1.359085	-1.359085	1.432926	-0.513805	-0.206195	-3.894963	-3.894963
0.37	C.	-0.726665	-1.338715	-1.338715	1.415675	-0.528021	-0.211979	-3.790372	-3.790372
0.38	C.	-0.736378	-1.319088	-1.319088	1.399201	-0.542229	-0.217771	-3.691340	-3.691340
0.39	C.	-0.745959	-1.300156	-1.300156	1.383466	-0.556429	-0.223571	-3.597443	-3.597443
0.40	C.	-0.755414	-1.281875	-1.281875	1.368424	-0.570620	-0.229380	-3.508298	-3.508298
0.41	C.	-0.764745	-1.264205	-1.264205	1.354036	-0.584800	-0.235199	-3.423559	-3.423559
0.42	C.	-0.773957	-1.247110	-1.247110	1.340265	-0.598971	-0.241029	-3.342915	-3.342915
0.43	C.	-0.783054	-1.230550	-1.230550	1.327077	-0.613130	-0.246869	-3.266082	-3.266082
0.44	C.	-0.792039	-1.214510	-1.214510	1.314441	-0.627278	-0.252722	-3.192803	-3.192803
0.45	C.	-0.800916	-1.198946	-1.198946	1.302328	-0.641413	-0.258587	-3.122844	-3.122844



CHARACTERISTIC COEFFICIENTS

TABLE 2-2

GAMMA = -0.7C

N (XY)

M (YY)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.48	0.068563	-0.826927	-1.154893	1.268875	-0.683736	-0.014162	-0.276264	-2.930830				
0.51	0.009905	-0.852035	-1.114340	1.239289	-0.725916	-0.016879	-0.259484	-2.761977				
0.54	0.011346	-0.876391	-1.076797	1.213079	-0.767932	-0.019886	-0.312068	-2.612479				
0.57	0.012881	-0.899958	-1.041869	1.189845	-0.809759	-0.023185	-0.330241	-2.479326				
0.60	0.014507	-0.922813	-1.009230	1.169261	-0.851374	-0.026774	-0.348626	-2.360107				
0.63	0.016214	-0.945995	-0.978611	1.151054	-0.892753	-0.030645	-0.367247	-2.252867				
0.66	0.017997	-0.966539	-0.949784	1.134996	-0.933873	-0.034790	-0.386126	-2.156002				
0.69	0.019846	-0.987476	-0.922559	1.120893	-0.974714	-0.039195	-0.405286	-2.068181				
0.72	0.021752	-1.007834	-0.896774	1.108579	-1.015256	-0.043844	-0.424744	-1.988289				
0.75	0.023705	-1.027640	-0.872289	1.097909	-1.055482	-0.048721	-0.444518	-1.915388				
0.78	0.025696	-1.046919	-0.848983	1.088758	-1.095378	-0.053802	-0.464622	-1.848675				
0.81	0.027713	-1.065653	-0.826754	1.081013	-1.134933	-0.059068	-0.485066	-1.787463				
0.84	0.029749	-1.083986	-0.805511	1.074573	-1.174140	-0.064494	-0.505860	-1.731161				
0.87	0.031792	-1.101818	-0.785175	1.069349	-1.212992	-0.070057	-0.527007	-1.679253				
0.90	0.033834	-1.119211	-0.765678	1.065258	-1.251489	-0.075734	-0.548511	-1.631290				
0.93	0.035866	-1.136185	-0.746960	1.062224	-1.289630	-0.081502	-0.570370	-1.586879				
0.96	0.037882	-1.152759	-0.728969	1.060177	-1.327419	-0.087339	-0.592580	-1.545672				
0.99	0.039875	-1.168953	-0.711657	1.059053	-1.364862	-0.093223	-0.615138	-1.507365				
1.02	0.041837	-1.184785	-0.694984	1.058791	-1.401965	-0.099136	-0.638034	-1.471686				
1.05	0.043765	-1.200272	-0.678915	1.059333	-1.438738	-0.105060	-0.661261	-1.438394				
1.08	0.045654	-1.215432	-0.663416	1.060627	-1.475191	-0.110978	-0.684808	-1.407274				
1.11	0.047499	-1.230281	-0.648460	1.062622	-1.511335	-0.116875	-0.708665	-1.378136				
1.14	0.049299	-1.244834	-0.634021	1.065271	-1.547180	-0.122738	-0.732819	-1.350809				
1.17	0.051051	-1.259106	-0.620076	1.068528	-1.582741	-0.128557	-0.757258	-1.325138				
1.20	0.052753	-1.273111	-0.606604	1.072352	-1.618029	-0.134320	-0.781971	-1.300987				
1.23	0.054403	-1.286843	-0.593586	1.076702	-1.653056	-0.140019	-0.806943	-1.278231				
1.26	0.056002	-1.300374	-0.581004	1.081540	-1.687836	-0.145647	-0.832164	-1.256759				
1.29	0.057549	-1.313656	-0.568842	1.086831	-1.722380	-0.151198	-0.857620	-1.236470				
1.32	0.059043	-1.326720	-0.557094	1.092540	-1.756700	-0.156667	-0.883300	-1.217274				
1.35	0.060485	-1.339577	-0.545717	1.098635	-1.790808	-0.162050	-0.909192	-1.199087				

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Y = -0.70

CHARACTERISTIC COEFFICIENTS

TABLE 2.3

GAMMA = -0.7C

DISPLACEMENT V

N(XX)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.01	999.999977	0.100000	11.951859	-11.952713	-C.	C.010000	139.959998	-C.010000	C.010000	C.010000	139.959998	-C.010000
0.02	604.470589	C.168357	8.450537	-8.452548	-0.	C.028358	70.000000	-C.011642	C.028358	C.011642	70.000000	-C.011642
0.03	323.535181	C.206849	6.898816	-6.973313	-0.	C.042787	46.602466	-C.017213	C.042787	C.017213	46.602466	-C.017213
0.04	209.319763	C.239015	5.973313	-5.578973	-0.	C.057128	35.000008	-C.022872	C.057128	C.022872	35.000008	-C.022872
0.05	149.697752	C.176164	5.341270	-5.349179	-C.000015	C.071423	28.000016	-C.028577	C.071423	C.028577	28.000016	-C.028577
0.06	113.891685	C.192714	4.874301	-4.884698	-C.000027	C.085704	23.333362	-C.034296	C.085704	C.034296	23.333362	-C.034296
0.07	90.360313	0.205154	4.510988	-4.524069	-C.000043	C.099936	20.000045	-C.040004	C.099936	C.040004	20.000045	-C.040004
0.08	73.950853	0.218773	4.217767	-4.233773	-C.000065	C.114286	17.500067	-C.045714	C.114286	C.045714	17.500067	-C.045714
0.09	61.977360	0.229439	3.974544	-3.993643	-C.000095	C.128569	15.555651	-C.051431	C.128569	C.051431	15.555651	-C.051431
0.10	52.916486	C.241382	3.768457	-3.790827	-C.000130	0.142855	14.000131	-C.057145	0.142855	C.057145	14.000131	-C.057145
0.11	45.866971	0.252913	3.590843	-3.616649	-C.000174	0.157141	12.727447	-C.062859	0.157141	C.062859	12.727447	-C.062859
0.12	40.254155	0.263381	3.435620	-3.465025	-C.000226	C.171427	11.666893	-C.068573	C.171427	C.068573	11.666893	-C.068573
0.13	35.700515	C.274215	3.298383	-3.331539	-C.000288	C.185711	10.769519	-C.074289	C.185711	C.074289	10.769519	-C.074289
0.14	31.944481	C.284728	3.175847	-3.212901	-C.000359	C.199996	10.000360	-C.080004	C.199996	C.080004	10.000360	-C.080004
0.15	28.804069	C.294411	3.065509	-3.106602	-C.000442	C.214279	9.333776	-C.085721	C.214279	C.085721	9.333776	-C.085721
0.16	26.146535	C.304161	2.965423	-3.010652	-C.000537	C.228563	8.750537	-C.091437	C.228563	C.091437	8.750537	-C.091437
0.17	23.873932	C.313359	2.874045	-2.923626	-C.000644	C.242846	8.235938	-C.097154	C.242846	C.097154	8.235938	-C.097154
0.18	21.912511	0.322344	2.790152	-2.844167	-C.000765	C.257128	7.778542	-C.102872	C.257128	C.102872	7.778542	-C.102872
0.19	20.205815	0.331200	2.712729	-2.771304	-C.000899	C.271409	7.369320	-C.108591	C.271409	C.108591	7.369320	-C.108591
0.20	18.709763	0.339945	2.640952	-2.704211	-C.001048	C.285688	7.001049	-C.114312	C.285688	C.114312	7.001049	-C.114312
0.21	17.389640	C.348270	2.574136	-2.642195	-C.001214	C.299967	6.667881	-C.120033	C.299967	C.120033	6.667881	-C.120033
0.22	16.217852	0.356448	2.511705	-2.584680	-C.001395	C.314244	6.365032	-C.125756	C.314244	C.125756	6.365032	-C.125756
0.23	15.172102	0.364534	2.453172	-2.531175	-C.001594	C.328520	6.088551	-C.131480	C.328520	C.131480	6.088551	-C.131480
0.24	14.234137	0.372385	2.398122	-2.481261	-C.001810	C.342793	5.835144	-C.137207	C.342793	C.137207	5.835144	-C.137207
0.25	13.389078	C.380093	2.346198	-2.434582	-C.002045	C.357064	5.602046	-C.142935	C.357064	C.142935	5.602046	-C.142935
0.26	12.624452	0.387576	2.297093	-2.390825	-C.002301	C.371333	5.386916	-C.148667	C.371333	C.148667	5.386916	-C.148667
0.27	11.930053	C.394940	2.250539	-2.349722	-C.002576	C.385599	5.187761	-C.154401	C.385599	C.154401	5.187761	-C.154401
0.28	11.297171	0.402238	2.206303	-2.311037	-C.002872	C.399862	5.002872	-C.160138	C.399862	C.160138	5.002872	-C.160138
0.29	10.718374	C.409362	2.164180	-2.274563	-C.003189	C.414122	4.830775	-C.165878	C.414122	C.165878	4.830775	-C.165878
0.30	10.187439	0.416423	2.123989	-2.240117	-C.003529	C.428377	4.670196	-C.171623	C.428377	C.171623	4.670196	-C.171623
0.31	9.699020	0.423329	2.085569	-2.207537	-C.003891	C.442629	4.520021	-C.177371	C.442629	C.177371	4.520021	-C.177371
0.32	9.248457	0.430126	2.048779	-2.176678	-C.004278	C.456875	4.379278	-C.183125	C.456875	C.183125	4.379278	-C.183125
0.33	8.831886	C.436828	2.013492	-2.147412	-C.004689	C.471117	4.247113	-C.188883	C.471117	C.188883	4.247113	-C.188883
0.34	8.445724	0.443452	1.979593	-2.119622	-C.005124	C.485352	4.122772	-C.194647	C.485352	C.194647	4.122772	-C.194647
0.35	8.086989	C.449569	1.946980	-2.093206	-C.005586	C.499582	4.005586	-C.200418	C.499582	C.200418	4.005586	-C.200418
0.36	7.753038	0.456416	1.915561	-2.068068	-C.006073	C.513805	3.894963	-C.206195	C.513805	C.206195	3.894963	-C.206195
0.37	7.441539	C.462764	1.885253	-2.044124	-C.006588	C.528021	3.790372	-C.211979	C.528021	C.211979	3.790372	-C.211979
0.38	7.150443	0.469025	1.855980	-2.021297	-C.007130	C.542229	3.691340	-C.217771	C.542229	C.217771	3.691340	-C.217771
0.39	6.877933	0.475242	1.827673	-1.999515	-C.007699	C.555429	3.597443	-C.223571	C.555429	C.223571	3.597443	-C.223571
0.40	6.622353	C.481377	1.800271	-1.978716	-C.008297	C.570620	3.508298	-C.229380	C.570620	C.229380	3.508298	-C.229380
0.41	6.382384	0.487435	1.773715	-1.958839	-C.008925	C.584800	3.423559	-C.235199	C.584800	C.235199	3.423559	-C.235199
0.42	6.156621	0.493421	1.747954	-1.939832	-C.009582	C.598971	3.342915	-C.241029	C.598971	C.241029	3.342915	-C.241029
0.43	5.943957	0.499369	1.722940	-1.921645	-C.010268	C.613130	3.266082	-C.246869	C.613130	C.246869	3.266082	-C.246869
0.44	5.743352	0.505254	1.698628	-1.904232	-C.010985	C.627278	3.192803	-C.252722	C.627278	C.252722	3.192803	-C.252722
0.45	5.553875	C.511070	1.674979	-1.887550	-C.011732	C.641413	3.122844	-C.258587	C.641413	C.258587	3.122844	-C.258587

CHARACTERISTIC COEFFICIENTS

TABLE 2.3

EPSILON	GAMMA = -0.70		DISPLACEMENT V				N (XX)				
	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2
0.48	5.044205	0.528232	1.607648	-1.841523	-0.014162	0.683736	2.930830	-0.276264			
0.51	4.608767	0.544973	1.545096	-1.800841	-0.016879	0.725916	2.761977	-0.254084			
0.54	4.233356	0.561359	1.486635	-1.764769	-0.019866	0.767932	2.612479	-0.2312068			
0.57	3.907082	0.577440	1.431712	-1.732710	-0.023185	0.809759	2.479326	-0.2030241			
0.60	3.621469	0.593257	1.379878	-1.704166	-0.026774	0.851374	2.360107	-0.1748626			
0.63	3.369833	0.608851	1.330768	-1.678725	-0.030645	0.892753	2.252867	-0.1467247			
0.66	3.146835	0.624255	1.284079	-1.656039	-0.034750	0.933873	2.156002	-0.1186126			
0.69	2.948167	0.639501	1.239563	-1.635812	-0.039195	0.974714	2.068181	-0.0905286			
0.72	2.770316	0.654614	1.197014	-1.617752	-0.043844	1.015256	1.988289	-0.0624744			
0.75	2.610389	0.669612	1.156259	-1.601763	-0.048721	1.055482	1.915388	-0.03444518			
0.78	2.465992	0.684520	1.117154	-1.587538	-0.053802	1.095378	1.848675	-0.0064622			
0.81	2.335117	0.699345	1.079577	-1.574954	-0.059068	1.134923	1.787463	-0.02485066			
0.84	2.216078	0.714100	1.043427	-1.563869	-0.064454	1.174140	1.731161	-0.0505860			
0.87	2.107445	0.728757	1.008616	-1.554160	-0.070037	1.212992	1.679253	-0.0527007			
0.90	2.008000	0.743436	0.975068	-1.545718	-0.075734	1.251489	1.631290	-0.0548511			
0.93	1.916700	0.758024	0.942720	-1.538446	-0.081502	1.289630	1.586879	-0.0570370			
0.96	1.832646	0.772559	0.911513	-1.532258	-0.087339	1.327419	1.545672	-0.0592580			
0.99	1.755662	0.787044	0.881399	-1.527075	-0.093223	1.364862	1.507365	-0.0615138			
1.02	1.683273	0.801476	0.852333	-1.522830	-0.099136	1.401925	1.471686	-0.0638034			
1.05	1.616690	0.815853	0.824274	-1.519457	-0.105060	1.438738	1.438394	-0.0661261			
1.08	1.554759	0.830172	0.797185	-1.516900	-0.110978	1.475191	1.407274	-0.0684808			
1.11	1.497148	0.844431	0.771033	-1.515105	-0.116875	1.511335	1.378136	-0.0708665			
1.14	1.443339	0.858625	0.745766	-1.514022	-0.122738	1.547180	1.350809	-0.0732819			
1.17	1.393018	0.872751	0.721414	-1.513606	-0.128557	1.582741	1.325138	-0.0757258			
1.20	1.345875	0.886805	0.697883	-1.513814	-0.134320	1.618029	1.300987	-0.0781971			
1.23	1.301632	0.900785	0.675191	-1.514604	-0.140019	1.653056	1.278231	-0.0806943			
1.26	1.260043	0.914687	0.653267	-1.515940	-0.145647	1.687836	1.256759	-0.0832164			
1.29	1.220885	0.928508	0.632120	-1.517786	-0.151198	1.722380	1.236470	-0.0857620			
1.32	1.183961	0.942245	0.611716	-1.520107	-0.156667	1.756700	1.217274	-0.0883300			
1.35	1.149094	0.955896	0.592030	-1.522872	-0.162050	1.790808	1.199087	-0.0909192			

Y=-0.70

TABLE 3

GAMMA= -0.7C

NYX=1

RY=1

EPSILON	A11	B11	A21	B21	A12	B12	A22	B22
0.01	9999.999878	5.030057	-5.0389821	5.030057	-503.005733	-0.035526	0.035500	-0.035926
0.02	9999.999878	4.296904	-4.344345	4.296904	-151.489145	-0.059623	0.059623	-0.0661360
0.03	3880.542633	3.556570	-3.612613	3.556570	-83.077026	-0.076143	0.072910	-0.076143
0.04	1910.008011	3.115489	-3.178587	3.115489	-54.480742	-0.088870	0.083849	-0.088870
0.05	1071.569458	2.730534	-2.797368	2.730534	-38.170261	-0.097274	0.090129	-0.097274
0.06	686.814514	2.518851	-2.590401	2.518851	-29.323618	-0.107563	0.098105	-0.107563
0.07	472.015305	2.355115	-2.440384	2.355115	-23.478842	-0.117179	0.105174	-0.117179
0.08	341.874729	2.226611	-2.305000	2.226611	-19.403414	-0.126423	0.111655	-0.126423
0.09	257.479656	2.120807	-2.201677	2.120807	-16.409956	-0.135241	0.117495	-0.135241
0.10	200.183113	2.033979	-2.116822	2.033979	-14.146578	-0.143846	0.122921	-0.143846
0.11	159.636053	1.960835	-2.045161	1.960835	-12.380845	-0.152227	0.127924	-0.152227
0.12	129.978470	1.898124	-1.993471	1.898124	-10.969370	-0.160396	0.132519	-0.160396
0.13	107.732309	1.844382	-1.930321	1.844382	-9.822462	-0.168431	0.136792	-0.168431
0.14	90.645797	1.797675	-1.883810	1.797675	-8.877128	-0.176333	0.140743	-0.176333
0.15	77.256377	1.756602	-1.842540	1.756602	-8.077158	-0.184095	0.144370	-0.184095
0.16	66.599190	1.720584	-1.805962	1.720584	-7.401472	-0.191770	0.147728	-0.191770
0.17	57.983032	1.688644	-1.773100	1.688644	-6.821420	-0.199342	0.150803	-0.199342
0.18	50.929773	1.660314	-1.743504	1.660314	-6.319210	-0.206836	0.153621	-0.206836
0.19	45.089703	1.635136	-1.716728	1.635136	-5.880861	-0.214262	0.156197	-0.214262
0.20	40.204109	1.612715	-1.692385	1.612715	-5.495402	-0.221626	0.158538	-0.221626
0.21	36.076612	1.592621	-1.670046	1.592621	-5.153839	-0.228922	0.160637	-0.228922
0.22	32.562009	1.574664	-1.649534	1.574664	-4.849581	-0.236163	0.162512	-0.236163
0.23	29.546636	1.558626	-1.630635	1.558626	-4.577081	-0.243356	0.164171	-0.243356
0.24	26.940735	1.544260	-1.613108	1.544260	-4.331654	-0.250497	0.165610	-0.250497
0.25	24.674716	1.531421	-1.596814	1.531421	-4.109642	-0.257590	0.166839	-0.257590
0.26	22.692245	1.519935	-1.581583	1.519935	-3.907867	-0.264633	0.167856	-0.264633
0.27	20.948833	1.509702	-1.567319	1.509702	-3.723818	-0.271632	0.168667	-0.271632
0.28	19.408103	1.500621	-1.553930	1.500621	-3.555339	-0.278588	0.169280	-0.278588
0.29	18.039739	1.492560	-1.541283	1.492560	-3.400498	-0.285495	0.169689	-0.285495
0.30	16.819502	1.485459	-1.529328	1.485459	-3.257789	-0.292359	0.169903	-0.292359
0.31	15.726638	1.478210	-1.517959	1.478210	-3.125796	-0.299172	0.169918	-0.299172
0.32	14.744239	1.473754	-1.507123	1.473754	-3.003381	-0.305936	0.169737	-0.305936
0.33	13.858002	1.469029	-1.496762	1.469029	-2.889540	-0.312649	0.169364	-0.312649
0.34	13.055856	1.464980	-1.486828	1.464980	-2.783404	-0.319309	0.168800	-0.319309
0.35	12.327444	1.461543	-1.477263	1.461543	-2.684187	-0.325913	0.168044	-0.325913
0.36	11.664074	1.458680	-1.468033	1.458680	-2.591234	-0.332459	0.167101	-0.332459
0.37	11.058154	1.456334	-1.459090	1.456334	-2.503937	-0.338942	0.165969	-0.338942
0.38	10.503239	1.454468	-1.450401	1.454468	-2.421779	-0.345360	0.164650	-0.345360
0.39	9.993812	1.453054	-1.441947	1.453054	-2.344315	-0.351711	0.163150	-0.351711
0.40	9.524930	1.452044	-1.433687	1.452044	-2.271114	-0.357990	0.161465	-0.357990
0.41	9.092369	1.451404	-1.425596	1.451404	-2.201810	-0.364192	0.159600	-0.364192
0.42	8.692435	1.451104	-1.417650	1.451104	-2.136077	-0.370313	0.157555	-0.370313
0.43	8.321935	1.451123	-1.410383	1.451123	-2.073634	-0.376352	0.155335	-0.376352
0.44	7.977965	1.451424	-1.402138	1.451424	-2.014204	-0.382302	0.152941	-0.382302
0.45	7.657993	1.451978	-1.394515	1.451978	-1.957548	-0.388159	0.150373	-0.388159

UNIT EDGE LCACING MATRIX

TABLE 3

GAMMA= -0.7C

NYX=1

RY=1

EPSILON	All	B11	A21	B21	A12	B12	A22	B22
0.48	6.821140	1.454945	-1.372073	1.454945	-1.802214	-0.405128	0.141669	-0.405128
0.51	6.133543	1.459386	-1.349999	1.459386	-1.665285	-0.421100	0.131527	-0.421100
0.54	5.560721	1.464767	-1.328086	1.464767	-1.543175	-0.435953	0.120052	-0.435953
0.57	5.077571	1.470620	-1.306217	1.470620	-1.433166	-0.449573	0.107369	-0.449573
0.60	4.665507	1.476543	-1.284355	1.476543	-1.333180	-0.461856	0.093620	-0.461856
0.63	4.310569	1.482156	-1.262532	1.482156	-1.241618	-0.472719	0.078965	-0.472719
0.66	4.002127	1.487259	-1.240829	1.487259	-1.157244	-0.482095	0.063578	-0.482095
0.69	3.731999	1.491636	-1.219374	1.491636	-1.079097	-0.489947	0.047641	-0.489947
0.72	3.493814	1.495047	-1.198320	1.495047	-1.006429	-0.496262	0.031339	-0.496262
0.75	3.282558	1.497429	-1.177833	1.497429	-0.938649	-0.501054	0.014855	-0.501054
0.78	3.094260	1.498737	-1.158089	1.498737	-0.875292	-0.504361	-0.001636	-0.504361
0.81	2.925721	1.498965	-1.132253	1.498965	-0.815981	-0.506247	-0.017971	-0.506247
0.84	2.774354	1.498154	-1.1121482	1.498154	-0.760407	-0.506793	-0.034005	-0.506793
0.87	2.638041	1.496378	-1.104909	1.496378	-0.708311	-0.506096	-0.049608	-0.506096
0.90	2.515018	1.493731	-1.089643	1.493731	-0.659469	-0.504265	-0.064673	-0.504265
0.93	2.403812	1.490332	-1.075769	1.490332	-0.613684	-0.501415	-0.079115	-0.501415
0.96	2.303167	1.486304	-1.063345	1.486304	-0.570775	-0.497663	-0.092867	-0.497663
0.99	2.212010	1.481778	-1.052402	1.481778	-0.530575	-0.493127	-0.105882	-0.493127
1.02	2.129408	1.476883	-1.042948	1.476883	-0.492927	-0.487921	-0.118129	-0.487921
1.05	2.054543	1.471741	-1.0334970	1.471741	-0.457681	-0.482153	-0.129596	-0.482153
1.08	1.986654	1.466469	-1.028439	1.466469	-0.424695	-0.475923	-0.140280	-0.475923
1.11	1.925221	1.461172	-1.023309	1.461172	-0.393831	-0.469324	-0.150191	-0.469324
1.14	1.869548	1.455944	-1.019524	1.455944	-0.364958	-0.462441	-0.159347	-0.462441
1.17	1.819162	1.450867	-1.017017	1.450867	-0.337951	-0.455347	-0.167772	-0.455347
1.20	1.773596	1.446011	-1.015718	1.446011	-0.312650	-0.448109	-0.175497	-0.448109
1.23	1.732430	1.441433	-1.015552	1.441433	-0.289060	-0.440785	-0.182554	-0.440785
1.26	1.695283	1.437182	-1.016442	1.437182	-0.266954	-0.433424	-0.188979	-0.433424
1.29	1.661807	1.433295	-1.018311	1.433295	-0.246269	-0.426068	-0.194809	-0.426068
1.32	1.631686	1.429801	-1.021082	1.429801	-0.226909	-0.418753	-0.200080	-0.418753
1.35	1.604635	1.426719	-1.024683	1.426719	-0.208784	-0.411510	-0.204829	-0.411510

47.

$\gamma = -0.70$

TABLE 3

GAMMA = -0.7C

MYY=1

NY=1

EPSILON	A13	B13	A23	B23	A14	B14	A24	B24
0.01	-49.699373	0.003593	-C.003550	C.003553-7042.588989		C.496994	0.508982	-C.503006
0.02	-24.790477	C.004242	-C.004122	C.004242-1786.454987		C.276414	0.731575	-0.723586
0.03	-16.458372	C.006336	-C.006067	C.006336-8C2.687836		C.264326	0.747267	-0.735674
0.04	-12.291136	C.008504	-C.008024	C.008504-456.519669		C.253353	0.759728	-0.744647
0.05	-9.489103	0.011458	-C.0110761	C.011458-286.378292		C.270261	0.747601	-0.729739
0.06	-7.869251	C.013934	-C.012864	C.013934-201.067200		C.262585	0.758349	-0.737415
0.07	-6.706434	C.016439	-C.014972	C.016439-149.261471		C.255259	0.768542	-0.744741
0.08	-5.838308	0.018971	-C.017039	C.018971-115.574670		C.247265	0.779235	-0.752735
0.09	-5.160148	C.021573	-C.019110	C.021573-92.223291		C.239546	0.789450	-0.760454
0.10	-4.620015	C.024159	-C.021136	C.024159-75.661551		C.231225	0.800086	-0.768775
0.11	-4.178149	0.026870	-C.023133	C.026870-63.281265		C.222693	0.810733	-0.777307
0.12	-3.809302	C.029553	-C.025112	C.029553-53.815864		C.214083	0.821246	-0.785917
0.13	-3.497776	C.032351	-C.027051	C.032351-46.426310		C.205153	0.831877	-0.794847
0.14	-3.230650	C.035153	-C.028959	C.035153-40.537577		C.196029	0.842485	-0.803971
0.15	-2.998803	C.038008	-C.030843	C.038008-35.762243		C.186816	0.852955	-0.813184
0.16	-2.796059	C.040902	-C.032688	C.040902-31.839938		C.177357	0.863447	-0.822643
0.17	-2.616948	C.043845	-C.034503	C.043845-28.573740		C.167767	0.873833	-0.832233
0.18	-2.457709	C.046832	-C.036280	C.046832-25.825455		C.157991	0.884168	-0.842009
0.19	-2.315236	C.049862	-C.038015	C.049862-23.490485		C.148019	0.894456	-0.851981
0.20	-2.187020	C.052925	-C.039715	C.052925-21.489232		C.137850	0.904691	-0.862150
0.21	-2.070892	C.056055	-C.041375	C.056055-19.759161		C.127542	0.914809	-0.872458
0.22	-1.965318	C.059218	-C.042991	C.059218-18.253781		C.117050	0.924851	-0.882950
0.23	-1.868940	C.062422	-C.044561	C.062422-16.934819		C.106368	0.934819	-0.893632
0.24	-1.780562	C.065670	-C.046087	C.065670-15.773915		C.095524	0.944679	-0.904476
0.25	-1.699260	C.068960	-C.047564	C.068960-14.744947		C.084505	0.954439	-0.915495
0.26	-1.624193	C.072292	-C.048994	C.072292-13.828715		C.073328	0.964077	-0.926672
0.27	-1.554708	C.075665	-C.050372	C.075665-13.009355		C.061978	0.973604	-0.938022
0.28	-1.490224	C.079077	-C.051696	C.079077-12.273611		C.050449	0.983023	-0.949551
0.29	-1.430201	C.082528	-C.052966	C.082528-11.610050		C.038765	0.992306	-0.961235
0.30	-1.374227	C.086916	-C.054179	C.086916-11.009715		C.026907	1.001467	-0.973093
0.31	-1.321891	C.089542	-C.055335	C.089542-10.464413		C.014859	1.010480	-0.985101
0.32	-1.272870	C.093103	-C.056430	C.093103-9.967614		C.002735	1.019347	-0.997265
0.33	-1.226872	C.096699	-C.057465	C.096699-9.513646		-C.009582	1.028064	-1.009582
0.34	-1.183639	0.100328	-C.058435	C.100328-9.097560		-C.022051	1.036628	-1.022051
0.35	-1.142934	0.103989	-C.059342	C.103989-8.715400		-C.034661	1.045024	-1.034661
0.36	-1.104561	C.107680	-C.060181	C.107680-8.363287		-C.047414	1.053254	-1.047414
0.37	-1.068329	C.111359	-C.060952	C.111359-8.038113		-C.060298	1.061305	-1.060298
0.38	-1.034079	0.115146	-C.061655	C.115146-7.737144		-C.073309	1.069174	-1.073309
0.39	-1.001672	0.118918	-C.062285	C.118918-7.458026		-C.086449	1.076862	-1.086449
0.40	-0.970970	C.122713	-C.062845	C.122713-7.198575		-C.099705	1.084357	-1.099705
0.41	-0.941853	C.126529	-C.063327	C.126529-6.956942		-C.113069	1.091652	-1.113069
0.42	-0.914217	C.130365	-C.063736	C.130365-6.731464		-C.126535	1.098744	-1.126535
0.43	-0.887968	0.134217	-C.064068	C.134217-6.522073		-C.140102	1.105635	-1.140102
0.44	-0.863014	C.138085	-C.064322	C.138085-6.323758		-C.153758	1.112314	-1.153758
0.45	-0.839274	C.141965	-C.064498	C.141965-6.138252		-C.167491	1.118775	-1.167491

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA = -0.70

MY=1

NY=1

EPSILON	A13	B13	A23	B23	A14	B14	A24	B24
0.48	-0.774647	0.153656	-C.064544	0.153656	-5.646460	-C.209096	1.136843	-1.209096
0.51	-C.718658	0.165369	-C.063852	0.165369	-5.233144	-C.251112	1.152873	-1.251112
0.54	-C.669999	0.177031	-C.062413	0.177031	-4.881471	-C.293283	1.166831	-1.293283
0.57	-C.627624	0.188565	-C.060226	0.188565	-4.578858	-C.335337	1.178721	-1.335337
0.60	-C.590687	0.199895	-C.057304	0.199895	-4.315773	-C.377000	1.188594	-1.377000
0.63	-C.558487	0.210946	-C.053671	0.210946	-4.084915	-C.418007	1.196548	-1.418007
0.66	-C.530435	0.221646	-C.049363	0.221646	-3.880629	-C.458104	1.202723	-1.458104
0.69	-C.506026	0.231930	-C.044427	0.231930	-3.698510	-C.497067	1.207304	-1.497067
0.72	-C.484824	0.241741	-C.038917	0.241741	-3.535101	-C.534702	1.210509	-1.534702
0.75	-C.466444	0.251031	-C.032899	0.251031	-3.387668	-C.570855	1.212578	-1.570855
0.78	-C.450548	0.259764	-C.026438	0.259764	-3.254050	-C.605419	1.213774	-1.605419
0.81	-C.436833	0.267915	-C.019607	0.267915	-3.132512	-C.638323	1.214363	-1.638323
0.84	-C.425029	0.275468	-C.012478	0.275468	-3.021666	-C.669547	1.214609	-1.669547
0.87	-C.414894	0.282419	-C.005120	0.282419	-2.920382	-C.699108	1.214769	-1.699108
0.90	-C.406212	0.288775	-C.002399	0.288775	-2.827732	-C.727055	1.215077	-1.727055
0.93	-C.398792	0.294548	C.010016	0.294548	-2.742946	-C.753474	1.215749	-1.753474
0.96	-C.392464	0.299759	C.017675	0.299759	-2.665373	-C.778465	1.216972	-1.778465
0.99	-C.387076	0.304434	C.025325	0.304434	-2.594457	-C.802152	1.218906	-1.802152
1.02	-C.382497	0.308661	C.032921	0.308661	-2.529710	-C.824667	1.221684	-1.824667
1.05	-C.378610	0.312294	C.040424	0.312294	-2.470703	-C.846146	1.225408	-1.846146
1.08	-C.375313	0.315545	C.047804	0.315545	-2.417048	-C.866728	1.230157	-1.866728
1.11	-C.372520	0.318350	C.055032	0.318350	-2.368395	-C.886549	1.235986	-1.886549
1.14	-C.370155	0.320862	C.062090	0.320862	-2.324421	-C.905740	1.242927	-1.905740
1.17	-C.368150	0.322994	C.068961	0.322994	-2.284827	-C.924420	1.250996	-1.924420
1.20	-C.366451	0.324818	C.075632	0.324818	-2.249336	-C.942705	1.260192	-1.942705
1.23	-C.365009	0.326364	C.082096	0.326364	-2.217686	-C.960696	1.270502	-1.960696
1.26	-C.363783	0.327661	C.088348	0.327661	-2.189637	-C.978487	1.281902	-1.978487
1.29	-C.362737	0.328735	C.094385	0.328735	-2.164957	-C.996159	1.294360	-1.996159
1.32	-C.361842	0.329610	C.100207	0.329610	-2.143432	-1.013784	1.307839	-2.013784
1.35	-C.361073	0.330309	C.105816	0.330309	-2.124860	-1.031425	1.322294	-2.031425

γ = -0.70

CHARACTERISTIC COEFFICIENTS

TABLE 2.1

DISPLACEMENT L

GAMMA = -0.50

R(Y)

EPSILON	REAL F1	IMAG F1	REAL F2	IMAG F2	REAL H1	IMAG H1	REAL F2	IMAG H2
0.01	9999.999878	1.600000	0.000097	0.	-0.000049	-0.	-707.244492	706.969055
0.02	2513.190765	1.809362	0.000398	-0.000000	-0.000021	0.000001	-250.199268	249.800840
0.03	1112.217590	1.552107	0.000899	-0.000000	-0.000000	0.000006	-136.327694	135.838163
0.04	625.087067	1.582415	0.001600	-0.000000	-0.000000	0.000018	-88.671500	88.105875
0.05	400.023952	1.995323	0.002500	-0.000000	-0.000000	0.000039	-63.562361	62.929935
0.06	277.791115	1.597641	0.003600	-0.000000	-0.000000	0.000075	-48.562856	47.767062
0.07	204.086803	1.599643	0.004899	-0.000000	-0.000000	0.000128	-38.555708	37.807355
0.08	156.258621	1.598789	0.006399	-0.000000	-0.000000	0.000205	-31.651900	30.851941
0.09	123.464654	1.599547	0.008097	-0.000000	-0.000000	0.000309	-26.615954	25.767481
0.10	100.009658	1.599753	0.009995	-0.000000	-0.000000	0.000447	-22.811203	21.916863
0.11	82.656878	1.599608	0.012091	-0.000000	-0.000000	0.000624	-19.855111	18.917166
0.12	69.458946	1.599620	0.014385	-0.000000	-0.000000	0.000846	-17.505429	16.525837
0.13	59.188463	1.599389	0.016876	-0.000000	-0.000000	0.001118	-15.602070	14.582557
0.14	51.040222	1.599150	0.019562	-0.000000	-0.000000	0.001449	-14.035447	12.977553
0.15	44.466951	1.598943	0.022443	-0.000000	-0.000000	0.001843	-12.728286	11.633394
0.16	39.088031	1.598658	0.025517	-0.000000	-0.000000	0.002308	-11.674697	10.494064
0.17	34.630851	1.598315	0.028780	-0.000000	-0.000000	0.002850	-10.683366	9.518144
0.18	30.896424	1.597901	0.032231	-0.000000	-0.000000	0.003477	-9.873162	8.674412
0.19	27.736719	1.597359	0.035867	-0.000000	-0.000000	0.004196	-9.170231	7.938941
0.20	25.039688	1.596826	0.039684	-0.000000	-0.000000	0.005012	-8.560020	7.293111
0.21	22.719422	1.996156	0.043678	-0.000000	-0.000000	0.005933	-8.015904	6.722243
0.22	20.709007	1.995394	0.047844	-0.000000	-0.000000	0.006966	-7.538217	6.214624
0.23	18.955770	1.994501	0.052177	-0.000000	-0.000000	0.008117	-7.113549	5.760805
0.24	17.417786	1.993510	0.056670	-0.000000	-0.000000	0.009393	-6.734239	5.353051
0.25	16.061320	1.992403	0.061318	-0.000000	-0.000000	0.010800	-6.393990	4.985153
0.26	14.855016	1.991139	0.066112	-0.000000	-0.000000	0.012342	-6.087584	4.651748
0.27	13.788470	1.989742	0.071045	-0.000000	-0.000000	0.014026	-5.810664	4.348499
0.28	12.831212	1.988204	0.076108	-0.000000	-0.000000	0.015856	-5.559567	4.071722
0.29	11.971900	1.986507	0.081291	-0.000000	-0.000000	0.017836	-5.331193	3.818302
0.30	11.197697	1.984654	0.086584	-0.000000	-0.000000	0.019970	-5.122903	3.585584
0.31	10.497806	1.982630	0.091977	-0.000000	-0.000000	0.022262	-4.932435	3.371236
0.32	9.863086	1.980429	0.097459	-0.000000	-0.000000	0.024712	-4.757846	3.173480
0.33	9.285755	1.978054	0.103017	-0.000000	-0.000000	0.027323	-4.597450	2.990444
0.34	8.759161	1.975457	0.108640	-0.000000	-0.000000	0.030096	-4.449786	2.820716
0.35	8.277583	1.972754	0.114315	-0.000000	-0.000000	0.033031	-4.313578	2.663010
0.36	7.836081	1.969825	0.120030	-0.000000	-0.000000	0.036126	-4.187707	2.516200
0.37	7.430375	1.966707	0.125771	-0.000000	-0.000000	0.039361	-4.071187	2.379293
0.38	7.056736	1.963406	0.131527	-0.000000	-0.000000	0.042793	-3.963152	2.251413
0.39	6.711907	1.959911	0.137283	-0.000000	-0.000000	0.046359	-3.862831	2.131782
0.40	6.393020	1.956234	0.143028	-0.000000	-0.000000	0.050076	-3.769540	2.019708
0.41	6.097551	1.952371	0.148749	-0.000000	-0.000000	0.053939	-3.682670	1.914573
0.42	5.823371	1.948330	0.154435	-0.000000	-0.000000	0.057943	-3.601676	1.815823
0.43	5.568404	1.944111	0.160073	-0.000000	-0.000000	0.062083	-3.526072	1.722960
0.44	5.330943	1.939725	0.165652	-0.000000	-0.000000	0.066352	-3.455418	1.635538
0.45	5.109436	1.935172	0.171163	-0.000000	-0.000000	0.070744	-3.3899320	1.553150



CHARACTERISTIC COEFFICIENTS

TABLE 2.1

GAMMA = -0.5C

DISPLACEMENT L

R(Y)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.48	-4.527468	1.520592	C.187189	-C.079407	-C.040839	C.084591	-3.214977	C.544795	-C.040839	C.084591	-3.214977	C.544795
0.51	-4.046962	1.904750	C.202286	-C.095210	-C.053318	C.099287	-3.070699	C.468304	-C.053318	C.099287	-3.070699	C.468304
0.54	-3.645648	1.887988	C.216292	-C.112012	-C.067918	C.114631	-2.950535	C.401603	-C.067918	C.114631	-2.950535	C.401603
0.57	-3.306972	1.870420	C.229101	-C.129580	-C.084659	C.130427	-2.849971	C.343349	-C.084659	C.130427	-2.849971	C.343349
0.60	-3.018444	1.852312	C.240666	-C.147688	-C.103482	C.146493	-2.765540	C.292426	-C.103482	C.146493	-2.765540	C.292426
0.63	-2.770506	1.833870	C.250979	-C.166130	-C.124362	C.162670	-2.694552	C.247901	-C.124362	C.162670	-2.694552	C.247901
0.66	-2.555757	1.815278	C.260072	-C.184721	-C.147210	C.178824	-2.634902	C.208985	-C.147210	C.178824	-2.634902	C.208985
0.69	-2.368356	1.796654	C.267997	-C.203305	-C.171937	C.194844	-2.584924	C.175013	-C.171937	C.194844	-2.584924	C.175013
0.72	-2.203838	1.778247	C.274825	-C.221752	-C.198446	C.210643	-2.543290	C.145413	-C.198446	C.210643	-2.543290	C.145413
0.75	-2.058414	1.760043	C.280636	-C.239957	-C.226640	C.226152	-2.508934	C.119695	-C.226640	C.226152	-2.508934	C.119695
0.78	-1.929170	1.742163	C.285514	-C.257837	-C.256423	C.241323	-2.480899	C.097435	-C.256423	C.241323	-2.480899	C.097435
0.81	-1.813702	1.724670	C.289544	-C.275330	-C.287762	C.256119	-2.458746	C.08261	-C.287762	C.256119	-2.458746	C.08261
0.84	-1.710041	1.707610	C.292807	-C.292390	-C.320390	C.270518	-2.441622	C.061811	-C.320390	C.270518	-2.441622	C.061811
0.87	-1.616560	1.691015	C.295381	-C.308985	-C.354467	C.284506	-2.429131	C.047919	-C.354467	C.284506	-2.429131	C.047919
0.90	-1.531908	1.674905	C.297340	-C.325095	-C.389679	C.298077	-2.420865	C.036212	-C.389679	C.298077	-2.420865	C.036212
0.93	-1.454953	1.659253	C.298750	-C.340707	-C.426136	C.311230	-2.416483	C.026505	-C.426136	C.311230	-2.416483	C.026505
0.96	-1.384743	1.644182	C.299673	-C.355818	-C.463718	C.323971	-2.415689	C.018598	-C.463718	C.323971	-2.415689	C.018598
0.99	-1.320470	1.629571	C.300165	-C.370429	-C.502367	C.336305	-2.416234	C.012310	-C.502367	C.336305	-2.416234	C.012310
1.02	-1.261446	1.615454	C.300277	-C.384546	-C.542032	C.348245	-2.423899	C.007479	-C.542032	C.348245	-2.423899	C.007479
1.05	-1.207084	1.601823	C.300054	-C.398177	-C.582666	C.359801	-2.432494	C.003959	-C.582666	C.359801	-2.432494	C.003959
1.08	-1.156876	1.588665	C.299537	-C.411335	-C.624229	C.370987	-2.443851	C.001618	-C.624229	C.370987	-2.443851	C.001618
1.11	-1.110384	1.575968	C.298761	-C.424032	-C.666681	C.381816	-2.457822	C.000337	-C.666681	C.381816	-2.457822	C.000337
1.14	-1.067228	1.563718	C.297760	-C.436282	-C.709998	C.392303	-2.474272	C.000007	-C.709998	C.392303	-2.474272	C.000007
1.17	-1.027076	1.551858	C.296562	-C.448102	-C.754120	C.402460	-2.493082	C.000531	-C.754120	C.402460	-2.493082	C.000531
1.20	-0.989638	1.540455	C.295193	-C.459505	-C.799047	C.412304	-2.514141	C.003959	-C.799047	C.412304	-2.514141	C.003959
1.23	-0.954659	1.529491	C.293676	-C.470509	-C.844744	C.421847	-2.537350	C.001618	-C.844744	C.421847	-2.537350	C.001618
1.26	-0.921914	1.518872	C.292032	-C.481128	-C.891187	C.431103	-2.562614	C.000337	-C.891187	C.431103	-2.562614	C.000337
1.29	-0.891203	1.508621	C.290277	-C.491379	-C.938355	C.440085	-2.589848	C.000007	-C.938355	C.440085	-2.589848	C.000007
1.32	-0.862350	1.498725	C.288428	-C.501275	-C.986228	C.448805	-2.618972	C.000531	-C.986228	C.448805	-2.618972	C.000531
1.35	-0.835197	1.489167	C.286500	-C.510833	-1.034788	C.457277	-2.649910	C.003959	-1.034788	C.457277	-2.649910	C.003959

$\gamma = -0.50$

TABLE 2.2

GAMMA = -0.50

N (XY)

M (YY)

EPSILON	REAL P1	IMAG P1	IMAG P2	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.01	C.	-0.140180	-0.064588	-7.071056	7.071080	-0.019651	-0.000349	-0.000000	-0.000000
0.02	C.000016	-0.199737	-0.006339	-4.999995	5.000006	-0.039895	-0.000006	-0.000000	-0.000000
0.03	C.000052	-0.244883	-0.000052	-4.082483	4.082486	-0.059970	-0.000026	-0.000000	-0.000000
0.04	C.000111	-0.282833	-0.000111	-3.535538	3.535539	-0.079994	-0.000063	-0.000000	-0.000000
0.05	C.000197	-0.316223	-0.000197	-3.162287	3.162288	-0.099997	-0.000124	-0.000000	-0.000000
0.06	C.000311	-0.346405	-0.000311	-2.886770	2.886770	-0.119996	-0.000215	-0.000000	-0.000000
0.07	C.000458	-0.374161	-0.000458	-2.672644	2.672645	-0.139997	-0.000343	-0.000000	-0.000000
0.08	C.000639	-0.399951	-0.000639	-2.500050	2.500052	-0.159992	-0.000511	-0.000000	-0.000000
0.09	C.000859	-0.424251	-0.000859	-2.357099	2.357101	-0.179988	-0.000729	-0.000000	-0.000000
0.10	C.001117	-0.447153	-0.001117	-2.236178	2.236182	-0.199960	-0.000999	-0.000000	-0.000000
0.11	C.001418	-0.469009	-0.001418	-2.132159	2.132167	-0.219968	-0.001330	-0.000000	-0.000000
0.12	C.001762	-0.489850	-0.001762	-2.041447	2.041459	-0.239950	-0.001726	-0.000000	-0.000000
0.13	C.002151	-0.509834	-0.002151	-1.961432	1.961450	-0.259926	-0.002194	-0.000000	-0.000000
0.14	C.002588	-0.529055	-0.002588	-1.890170	1.890199	-0.279893	-0.002739	-0.000000	-0.000000
0.15	C.003074	-0.547553	-0.003074	-1.826182	1.826224	-0.299848	-0.003366	-0.000000	-0.000000
0.16	C.003610	-0.565512	-0.003610	-1.768315	1.768374	-0.319791	-0.004082	-0.000000	-0.000000
0.17	C.004197	-0.582868	-0.004197	-1.715658	1.715740	-0.339718	-0.004892	-0.000000	-0.000000
0.18	C.004837	-0.599707	-0.004837	-1.667480	1.667553	-0.359625	-0.005802	-0.000000	-0.000000
0.19	C.005531	-0.616068	-0.005531	-1.623189	1.623340	-0.379509	-0.006815	-0.000000	-0.000000
0.20	C.006279	-0.631986	-0.006279	-1.582293	1.582493	-0.399367	-0.007937	-0.000000	-0.000000
0.21	C.007083	-0.647451	-0.007083	-1.544388	1.544649	-0.419194	-0.009172	-0.000000	-0.000000
0.22	C.007943	-0.662608	-0.007943	-1.509133	1.509469	-0.438986	-0.010526	-0.000000	-0.000000
0.23	C.008858	-0.677359	-0.008858	-1.476239	1.476667	-0.458737	-0.012001	-0.000000	-0.000000
0.24	C.009830	-0.691766	-0.009830	-1.445460	1.445999	-0.478443	-0.013601	-0.000000	-0.000000
0.25	C.010859	-0.705844	-0.010859	-1.416585	1.417256	-0.498098	-0.015330	-0.000000	-0.000000
0.26	C.011943	-0.719610	-0.011943	-1.389432	1.390260	-0.517657	-0.017189	-0.000000	-0.000000
0.27	C.013083	-0.733078	-0.013083	-1.364840	1.364854	-0.537232	-0.019182	-0.000000	-0.000000
0.28	C.014278	-0.746259	-0.014278	-1.343671	1.340903	-0.556698	-0.021310	-0.000000	-0.000000
0.29	C.015526	-0.759164	-0.015526	-1.316803	1.318288	-0.576088	-0.023574	-0.000000	-0.000000
0.30	C.016828	-0.771803	-0.016828	-1.295127	1.296903	-0.595396	-0.025975	-0.000000	-0.000000
0.31	C.018180	-0.784185	-0.018180	-1.274547	1.276658	-0.614615	-0.028513	-0.000000	-0.000000
0.32	C.019582	-0.796317	-0.019582	-1.254976	1.257469	-0.633738	-0.031187	-0.000000	-0.000000
0.33	C.021031	-0.808208	-0.021031	-1.236338	1.239264	-0.652758	-0.033996	-0.000000	-0.000000
0.34	C.022527	-0.819864	-0.022527	-1.218564	1.221977	-0.671669	-0.036938	-0.000000	-0.000000
0.35	C.024065	-0.831290	-0.024065	-1.201589	1.205551	-0.690464	-0.040010	-0.000000	-0.000000
0.36	C.025645	-0.842494	-0.025645	-1.185358	1.189931	-0.709138	-0.043211	-0.000000	-0.000000
0.37	C.027262	-0.853479	-0.027262	-1.169818	1.175071	-0.727683	-0.046535	-0.000000	-0.000000
0.38	C.028915	-0.864251	-0.028915	-1.154922	1.160927	-0.746094	-0.049980	-0.000000	-0.000000
0.39	C.030601	-0.874816	-0.030601	-1.140626	1.147459	-0.764366	-0.053540	-0.000000	-0.000000
0.40	C.032316	-0.885177	-0.032316	-1.126891	1.134632	-0.782494	-0.057211	-0.000000	-0.000000
0.41	C.034058	-0.895339	-0.034058	-1.113679	1.122414	-0.800473	-0.060987	-0.000000	-0.000000
0.42	C.035823	-0.905308	-0.035823	-1.100956	1.110768	-0.818299	-0.064863	-0.000000	-0.000000
0.43	C.037609	-0.915086	-0.037609	-1.088692	1.099674	-0.835969	-0.068831	-0.000000	-0.000000
0.44	C.039412	-0.924680	-0.039412	-1.076857	1.089102	-0.853479	-0.072887	-0.000000	-0.000000
0.45	C.041229	-0.934092	-0.041229	-1.065424	1.079028	-0.870828	-0.077023	-0.000000	-0.000000

CHARACTERISTIC COEFFICIENTS

TABLE 2.2

GAMMA = -0.5C

M(YY)

N(XY)

EPSILON	REAL P1	IMAG P1	REAL P2	IMAG P2	REAL H1	IMAG H1	REAL P2	IMAG H2
0.48	C.046735	-C.961285	-1.033296	1.051578	-C.921884	-C.089851	-0.038115	-2.173184
0.51	C.052262	-C.987003	-1.003983	1.027821	-C.971443	-C.103166	-0.046557	-2.063950
0.54	C.057743	-1.011359	-C.977009	1.007488	-1.019513	-C.116797	-0.060486	-1.968649
0.57	C.063118	-1.034468	-C.951987	0.990020	-1.066140	-0.130588	-0.073860	-1.884974
0.60	C.068343	-1.056436	-C.928606	0.975153	-1.111387	-C.144399	-0.088613	-1.811066
0.63	C.073381	-1.077368	-C.906612	0.962605	-1.155338	-0.158117	-0.104662	-1.745419
0.66	C.078209	-1.097361	-C.885800	0.952133	-1.198004	-C.171647	-0.121916	-1.686759
0.69	C.082811	-1.116502	-C.866003	0.943526	-1.239719	-0.184918	-0.140281	-1.634193
0.72	C.087179	-1.134874	-C.847087	0.936599	-1.280338	-C.197874	-0.159662	-1.586763
0.75	C.091309	-1.152549	-C.828944	0.931191	-1.320032	-0.210477	-0.179968	-1.543810
0.78	C.095204	-1.169594	-C.811486	0.927158	-1.358887	-C.222701	-0.201113	-1.504752
0.81	C.098809	-1.186068	-C.794642	0.924377	-1.396982	-C.234530	-0.223018	-1.469098
0.84	C.102310	-1.202023	-C.778355	0.922737	-1.434392	-C.245958	-0.245608	-1.436434
0.87	C.105536	-1.217506	-C.762578	0.922140	-1.471182	-C.256981	-0.268817	-1.406407
0.90	C.108557	-1.232558	-C.747273	0.922498	-1.507414	-C.267606	-0.292525	-1.378717
0.93	C.111383	-1.247216	-C.732411	0.923734	-1.543142	-C.277837	-0.316858	-1.353106
0.96	C.114024	-1.261513	-C.717957	0.925776	-1.578414	-C.287886	-0.341586	-1.329353
0.99	C.116491	-1.275478	-C.703919	0.928562	-1.613275	-C.297164	-0.366725	-1.307265
1.02	C.118794	-1.289137	-C.690252	0.932033	-1.647763	-C.308293	-0.392237	-1.286675
1.05	C.120947	-1.302513	-C.676952	0.936136	-1.681913	-C.315057	-0.418086	-1.267438
1.08	C.122945	-1.315627	-C.664007	0.940822	-1.715758	-C.323499	-0.444242	-1.249426
1.11	C.124812	-1.328496	-C.651400	0.946048	-1.749324	-C.331625	-0.470675	-1.232526
1.14	C.126551	-1.341139	-C.639145	0.951771	-1.782638	-C.339446	-0.497362	-1.216639
1.17	C.128171	-1.353569	-C.627210	0.957953	-1.815721	-C.346978	-0.524279	-1.201679
1.20	C.129679	-1.365800	-C.615691	0.964557	-1.848593	-C.354232	-0.551406	-1.187565
1.23	C.131082	-1.377845	-C.604307	0.971552	-1.881274	-C.361222	-0.578726	-1.174230
1.26	C.132387	-1.389714	-C.593322	0.978904	-1.913778	-C.367960	-0.606221	-1.161611
1.29	C.133599	-1.401417	-C.582642	0.986585	-1.946121	-C.374457	-0.633878	-1.149651
1.32	C.134726	-1.412964	-C.572200	0.994567	-1.978316	-C.380725	-0.661683	-1.138301
1.35	C.135771	-1.424382	-C.562170	1.002826	-2.010375	-C.386775	-0.689625	-1.127516

γ = -0.50

TABLE 2.3

GAMMA = -0.50

DISPLACEMENT V

N(XX)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.01	1452.5691C7	0.14C180	14.141429	-14.142843	-0.	0.019651	100.000001	-0.000349	0.019651	100.000001	-0.000349	-0.000349
0.02	501.978168	0.078386	5.997999	-10.001959	-0.000006	0.039895	50.000008	-0.000165	0.039895	50.000008	-0.000165	-0.000165
0.03	272.368744	0.069989	8.161288	-8.168637	-0.000026	0.059970	33.333361	-0.000030	0.059970	33.333361	-0.000030	-0.000030
0.04	176.795067	0.074433	7.065402	-7.06716	-0.000063	0.079994	25.000064	-0.000043	0.079994	25.000064	-0.000043	-0.000043
0.05	126.496614	0.08C1C2	6.316630	-6.332441	-0.000124	0.099997	20.000125	-0.000084	0.099997	20.000125	-0.000084	-0.000084
0.06	96.228238	0.087211	5.763073	-5.783857	-0.000215	0.119996	16.666883	-0.000084	0.119996	16.666883	-0.000084	-0.000084
0.07	76.361404	0.093638	5.332066	-5.358256	-0.000343	0.139997	14.286057	-0.000083	0.139997	14.286057	-0.000083	-0.000083
0.08	62.502039	0.10C356	4.983899	-5.015896	-0.000511	0.159992	12.500512	-0.000082	0.159992	12.500512	-0.000082	-0.000082
0.09	52.380031	0.10E2C0	4.694802	-4.732979	-0.000729	0.179988	11.111840	-0.000082	0.179988	11.111840	-0.000082	-0.000082
0.10	44.723621	0.111869	4.449557	-4.494268	-0.000959	0.199980	10.001000	-0.000082	0.199980	10.001000	-0.000082	-0.000082
0.11	38.766836	0.117372	4.237915	-4.289490	-0.001330	0.219968	9.092239	-0.000082	0.219968	9.092239	-0.000082	-0.000082
0.12	34.024477	0.122575	4.052682	-4.111439	-0.001726	0.239950	8.335060	-0.000082	0.239950	8.335060	-0.000082	-0.000082
0.13	30.176280	0.127654	3.888644	-3.954884	-0.002194	0.259926	7.694502	-0.000074	0.259926	7.694502	-0.000074	-0.000074
0.14	27.002981	0.132547	3.741916	-3.815926	-0.002739	0.279893	7.145596	-0.000107	0.279893	7.145596	-0.000107	-0.000107
0.15	24.349780	0.137259	3.609535	-3.691590	-0.003366	0.299848	6.670033	-0.000152	0.299848	6.670033	-0.000152	-0.000152
0.16	22.104759	0.141849	3.489199	-3.579562	-0.004082	0.319791	6.254083	-0.000209	0.319791	6.254083	-0.000209	-0.000209
0.17	20.185232	0.146325	3.379087	-3.478008	-0.004892	0.339718	5.887246	-0.000282	0.339718	5.887246	-0.000282	-0.000282
0.18	18.528786	0.150705	3.277737	-3.385455	-0.005802	0.359625	5.561357	-0.000375	0.359625	5.561357	-0.000375	-0.000375
0.19	17.087688	0.155008	3.183960	-3.300706	-0.006815	0.379509	5.269973	-0.000491	0.379509	5.269973	-0.000491	-0.000491
0.20	15.824715	0.159236	3.096779	-3.222770	-0.007937	0.399367	5.007937	-0.000633	0.399367	5.007937	-0.000633	-0.000633
0.21	14.710587	0.163410	3.015383	-3.150827	-0.009172	0.419194	4.771077	-0.000806	0.419194	4.771077	-0.000806	-0.000806
0.22	13.721909	0.167536	2.939090	-3.084183	-0.010526	0.438986	4.555980	-0.001014	0.438986	4.555980	-0.001014	-0.001014
0.23	12.839821	0.171641	2.867326	-3.022252	-0.012001	0.458737	4.359827	-0.001263	0.458737	4.359827	-0.001263	-0.001263
0.24	12.048965	0.175715	2.795600	-2.964533	-0.013601	0.478433	4.180268	-0.001557	0.478433	4.180268	-0.001557	-0.001557
0.25	11.336709	0.179773	2.735493	-2.910595	-0.015330	0.498098	4.015330	-0.001902	0.498098	4.015330	-0.001902	-0.001902
0.26	10.692597	0.183843	2.674641	-2.860062	-0.017189	0.517697	3.863343	-0.002303	0.517697	3.863343	-0.002303	-0.002303
0.27	10.107887	0.187917	2.616732	-2.812610	-0.019182	0.537232	3.722886	-0.002768	0.537232	3.722886	-0.002768	-0.002768
0.28	9.575233	0.192006	2.561491	-2.767952	-0.021310	0.556698	3.592739	-0.003302	0.556698	3.592739	-0.003302	-0.003302
0.29	9.088421	0.196124	2.508680	-2.725837	-0.023574	0.576088	3.471850	-0.003912	0.576088	3.471850	-0.003912	-0.003912
0.30	8.642154	0.200275	2.458038	-2.686042	-0.025975	0.595396	3.359309	-0.004604	0.595396	3.359309	-0.004604	-0.004604
0.31	8.231902	0.204472	2.409530	-2.648368	-0.028513	0.614615	3.254320	-0.005385	0.614615	3.254320	-0.005385	-0.005385
0.32	7.853763	0.208722	2.362843	-2.612639	-0.031187	0.633738	3.156187	-0.006262	0.633738	3.156187	-0.006262	-0.006262
0.33	7.504362	0.213030	2.317880	-2.578696	-0.033956	0.652758	3.064299	-0.007242	0.652758	3.064299	-0.007242	-0.007242
0.34	7.180767	0.217404	2.274514	-2.546398	-0.036938	0.671669	2.978114	-0.008331	0.671669	2.978114	-0.008331	-0.008331
0.35	6.880419	0.221851	2.232629	-2.515617	-0.040010	0.690464	2.897153	-0.009535	0.690464	2.897153	-0.009535	-0.009535
0.36	6.601074	0.226375	2.192123	-2.486237	-0.043211	0.709138	2.820989	-0.010862	0.709138	2.820989	-0.010862	-0.010862
0.37	6.340760	0.230982	2.152903	-2.458153	-0.046535	0.727683	2.749238	-0.012317	0.727683	2.749238	-0.012317	-0.012317
0.38	6.097734	0.235675	2.114887	-2.431272	-0.049900	0.746094	2.681559	-0.013906	0.746094	2.681559	-0.013906	-0.013906
0.39	5.870454	0.240461	2.078001	-2.405508	-0.053540	0.764366	2.617643	-0.015634	0.764366	2.617643	-0.015634	-0.015634
0.40	5.657547	0.245340	2.042178	-2.380782	-0.057211	0.782494	2.557211	-0.017506	0.782494	2.557211	-0.017506	-0.017506
0.41	5.457791	0.250316	2.007357	-2.357024	-0.060987	0.800473	2.500012	-0.019527	0.800473	2.500012	-0.019527	-0.019527
0.42	5.270091	0.255391	1.973486	-2.334170	-0.064863	0.818299	2.445815	-0.021701	0.818299	2.445815	-0.021701	-0.021701
0.43	5.093468	0.260566	1.940513	-2.312160	-0.068831	0.835969	2.394413	-0.024031	0.835969	2.394413	-0.024031	-0.024031
0.44	4.927039	0.265829	1.908395	-2.290942	-0.072887	0.853479	2.345615	-0.026521	0.853479	2.345615	-0.026521	-0.026521
0.45	4.770010	0.271212	1.877090	-2.270467	-0.077023	0.870828	2.299246	-0.029172	0.870828	2.299246	-0.029172	-0.029172

CHARACTERISTIC COEFFICIENTS

TABLE 2.3

GAMMA = -0.5C

DISPLACEMENT V

N(X,X)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.48	4.348475	0.287923	1.787698	-2.213075	-0.089851	0.921884	2.173184	-0.038115				
0.51	3.989386	0.305476	1.704451	-2.160989	-0.103166	0.971443	2.063950	-0.048557				
0.54	3.680592	0.323795	1.626670	-2.113444	-0.116797	1.019513	1.968649	-0.060486				
0.57	3.412777	0.342776	1.553802	-2.069856	-0.130528	1.066140	1.884974	-0.073860				
0.60	3.178701	0.362312	1.485383	-2.029771	-0.144399	1.111387	1.811066	-0.088613				
0.63	2.972666	0.382286	1.421016	-1.992823	-0.158117	1.155338	1.745419	-0.104662				
0.66	2.790140	0.402529	1.360351	-1.958758	-0.171647	1.198084	1.686799	-0.121916				
0.69	2.627483	0.423121	1.303081	-1.927314	-0.184918	1.239719	1.634193	-0.140281				
0.72	2.481745	0.447785	1.248930	-1.898306	-0.197874	1.280338	1.586763	-0.159662				
0.75	2.350513	0.464515	1.197652	-1.871567	-0.210477	1.320032	1.543810	-0.179968				
0.78	2.231759	0.482231	1.149024	-1.846952	-0.222701	1.358887	1.504752	-0.201113				
0.81	2.123253	0.502879	1.102847	-1.824329	-0.234530	1.396982	1.469098	-0.223018				
0.84	2.025594	0.526414	1.057942	-1.803522	-0.245958	1.434392	1.436434	-0.245608				
0.87	1.935562	0.546797	1.014147	-1.784603	-0.256981	1.471182	1.406407	-0.268817				
0.90	1.852874	0.560998	0.977317	-1.767251	-0.267606	1.507414	1.378717	-0.292585				
0.93	1.776652	0.586993	0.939319	-1.751552	-0.277837	1.543142	1.353106	-0.316858				
0.96	1.706300	0.606764	0.893047	-1.737300	-0.287626	1.578414	1.329353	-0.341586				
0.99	1.641079	0.628298	0.848364	-1.724449	-0.297164	1.613275	1.307265	-0.366725				
1.02	1.580496	0.649584	0.805202	-1.712923	-0.306283	1.647763	1.286675	-0.392237				
1.05	1.524086	0.664618	0.763466	-1.702646	-0.315057	1.681913	1.267438	-0.418086				
1.08	1.471445	0.683395	0.723674	-1.693546	-0.323499	1.715758	1.249426	-0.444242				
1.11	1.422217	0.701914	0.684955	-1.685557	-0.331625	1.749324	1.232526	-0.470675				
1.14	1.376089	0.720174	0.648043	-1.678613	-0.339446	1.782638	1.216639	-0.497362				
1.17	1.332785	0.738178	0.612777	-1.672653	-0.346978	1.815721	1.201679	-0.524279				
1.20	1.292060	0.755928	0.579600	-1.667617	-0.354232	1.848593	1.187565	-0.551406				
1.23	1.253697	0.773427	0.548965	-1.663450	-0.361222	1.881274	1.174230	-0.578726				
1.26	1.217501	0.790680	0.520309	-1.660098	-0.367968	1.913778	1.161611	-0.606221				
1.29	1.183299	0.807691	0.492603	-1.657511	-0.374457	1.946121	1.149651	-0.633878				
1.32	1.150934	0.824405	0.466792	-1.655639	-0.380725	1.978316	1.138301	-0.661663				
1.35	1.120267	0.841008	0.442854	-1.654436	-0.386775	2.010375	1.127516	-0.689625				

$\gamma = -0.50$

TABLE 3

GAMMA = -0.50

NYX=1

RY=1

EPSILON	All	E11	A21	E21	A12	E12	A22	R22
0.01	999.999878	7.148242	-7.147978	7.148242	-363.698654	-C.071468	0.070052	-C.071468
0.02	5900.863342	4.708291	-4.701288	4.708291	-117.923151	-C.094091	0.089954	-C.094091
0.03	2142.248352	3.854118	-3.840394	3.854118	-64.151979	-C.115416	0.107670	-C.115416
0.04	1059.303665	3.389514	-3.367912	3.389514	-42.236889	-C.135148	0.123009	-C.135148
0.05	617.098892	3.054668	-3.054668	3.054668	-30.701251	-C.153499	0.136240	-C.153499
0.06	398.730587	2.870658	-2.829673	2.870658	-23.752153	-C.171008	0.147929	-C.171008
0.07	276.507042	2.709571	-2.657002	2.709571	-19.167199	-C.187825	0.158244	-C.187825
0.08	202.014246	2.585445	-2.520139	2.585445	-15.956254	-C.204213	0.167462	-C.204213
0.09	153.515930	2.486469	-2.407265	2.486469	-13.595310	-C.220201	0.175615	-C.220201
0.10	120.373082	2.406739	-2.312480	2.406739	-11.800145	-C.235932	0.182854	-C.235932
0.11	96.808854	2.341736	-2.231271	2.341736	-10.395901	-C.251470	0.189242	-C.251470
0.12	75.500309	2.288172	-2.160363	2.288172	-9.271151	-C.266842	0.194812	-C.266842
0.13	66.445020	2.243902	-2.097616	2.243902	-8.353194	-C.282095	0.199610	-C.282095
0.14	56.370316	2.207146	-2.041271	2.207146	-7.591435	-C.297239	0.203652	-C.297239
0.15	48.442874	2.176585	-1.990024	2.176585	-6.950274	-C.312284	0.206952	-C.312284
0.16	42.099808	2.151228	-1.942905	2.151228	-6.404052	-C.327239	0.209526	-C.327239
0.17	36.948999	2.130243	-1.899109	2.130243	-5.933630	-C.342100	0.211378	-C.342100
0.18	32.711542	2.112961	-1.857998	2.112961	-5.524570	-C.356859	0.212514	-C.356859
0.19	29.184886	2.098822	-1.819055	2.098822	-5.165790	-C.371506	0.212937	-C.371506
0.20	26.218999	2.087348	-1.781847	2.087348	-4.848612	-C.386023	0.212648	-C.386023
0.21	23.701254	2.078138	-1.746027	2.078138	-4.566216	-C.400389	0.211650	-C.400389
0.22	21.545576	2.070832	-1.711300	2.070832	-4.313121	-C.414581	0.209945	-C.414581
0.23	19.685571	2.065129	-1.677433	2.065129	-4.084930	-C.428573	0.207538	-C.428573
0.24	18.069041	2.060735	-1.644214	2.060735	-3.878006	-C.442333	0.204433	-C.442333
0.25	16.654858	2.057404	-1.611485	2.057404	-3.689390	-C.455831	0.200637	-C.455831
0.26	15.410221	2.054919	-1.579122	2.054919	-3.516641	-C.469034	0.196164	-C.469034
0.27	14.308501	2.053063	-1.547011	2.053063	-3.357681	-C.481906	0.191025	-C.481906
0.28	13.328136	2.051644	-1.515074	2.051644	-3.210784	-C.494411	0.185236	-C.494411
0.29	12.451477	2.050494	-1.483254	2.050494	-3.074497	-C.506514	0.178818	-C.506514
0.30	11.663924	2.049451	-1.451511	2.049451	-2.947575	-C.518179	0.171794	-C.518179
0.31	10.953380	2.048373	-1.419827	2.048373	-2.828967	-C.529372	0.164192	-C.529372
0.32	10.309722	2.047130	-1.388196	2.047130	-2.717768	-C.540061	0.156043	-C.540061
0.33	9.724433	2.045603	-1.356626	2.045603	-2.613200	-C.550212	0.147381	-C.550212
0.34	9.190330	2.043687	-1.325139	2.043687	-2.514594	-C.559799	0.138243	-C.559799
0.35	8.701324	2.041295	-1.293767	2.041295	-2.421376	-C.568796	0.128669	-C.568796
0.36	8.252205	2.038348	-1.262551	2.038348	-2.333045	-C.577181	0.118702	-C.577181
0.37	7.838522	2.034781	-1.231538	2.034781	-2.249168	-C.584935	0.108387	-C.584935
0.38	7.456438	2.030542	-1.200780	2.030542	-2.169366	-C.592044	0.097770	-C.592044
0.39	7.102665	2.025595	-1.170337	2.025595	-2.093318	-C.598500	0.086899	-C.598500
0.40	6.774317	2.019910	-1.140266	2.019910	-2.020731	-C.604295	0.075821	-C.604295
0.41	6.468915	2.013473	-1.110629	2.013473	-1.951357	-C.609429	0.064583	-C.609429
0.42	6.184276	2.006277	-1.081486	2.006277	-1.884976	-C.613905	0.053273	-C.613905
0.43	5.918497	1.998330	-1.052894	1.998330	-1.821393	-C.617731	0.041816	-C.617731
0.44	5.669893	1.989643	-1.024908	1.989643	-1.760434	-C.620917	0.030376	-C.620917
0.45	5.436991	1.980239	-0.997580	1.980239	-1.701948	-C.623478	0.018955	-C.623478

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA = -0.50

NYX=1

RY=1

EPSILON	A11	B11	A21	B21	A12	B12	A22	B22
0.48	4.820073	1.548041	-0.919998	1.548041	-1.540021	-0.627602	-0.014811	-0.627602
0.51	4.304962	1.910725	-0.849736	1.910725	-1.396129	-0.626892	-0.047151	-0.626892
0.54	3.870986	1.869575	-0.787343	1.869575	-1.267915	-0.622091	-0.077401	-0.622091
0.57	3.502706	1.825912	-0.732949	1.825912	-1.153462	-0.613982	-0.105143	-0.613982
0.60	3.188296	1.780963	-0.686340	1.780963	-1.051146	-0.603317	-0.130171	-0.603317
0.63	2.918485	1.735777	-0.647062	1.735777	-0.959549	-0.590774	-0.152449	-0.590774
0.66	2.685863	1.691195	-0.614508	1.691195	-0.877420	-0.576933	-0.172058	-0.576933
0.69	2.484524	1.647853	-0.588006	1.647853	-0.803647	-0.562270	-0.189156	-0.562270
0.72	2.309546	1.606205	-0.566869	1.606205	-0.737248	-0.547164	-0.203947	-0.547164
0.75	2.156953	1.566554	-0.550436	1.566554	-0.677355	-0.531908	-0.216650	-0.531908
0.78	2.023446	1.529081	-0.538093	1.529081	-0.623204	-0.516722	-0.227488	-0.516722
0.81	1.906287	1.493875	-0.529288	1.493875	-0.574126	-0.501768	-0.236674	-0.501768
0.84	1.803153	1.460957	-0.523529	1.460957	-0.529539	-0.487161	-0.244405	-0.487161
0.87	1.712250	1.430259	-0.520386	1.430259	-0.488933	-0.472978	-0.250862	-0.472978
0.90	1.631852	1.401841	-0.519484	1.401841	-0.451864	-0.459271	-0.256204	-0.459271
0.93	1.560639	1.375500	-0.520502	1.375500	-0.417946	-0.446070	-0.260575	-0.446070
0.96	1.497462	1.351180	-0.523161	1.351180	-0.386842	-0.433390	-0.264099	-0.433390
0.99	1.441338	1.328778	-0.527223	1.328778	-0.358256	-0.421234	-0.266887	-0.421234
1.02	1.391431	1.308188	-0.532462	1.308188	-0.331932	-0.409597	-0.269033	-0.409597
1.05	1.347018	1.289305	-0.538763	1.289305	-0.307645	-0.398468	-0.270620	-0.398468
1.08	1.307480	1.272026	-0.545915	1.272026	-0.285194	-0.387834	-0.271722	-0.387834
1.11	1.272278	1.256250	-0.553807	1.256250	-0.264407	-0.377678	-0.272400	-0.377678
1.14	1.240945	1.241883	-0.562326	1.241883	-0.245128	-0.367981	-0.272710	-0.367981
1.17	1.213071	1.228832	-0.571375	1.228832	-0.227221	-0.358723	-0.272699	-0.358723
1.20	1.188300	1.217014	-0.580870	1.217014	-0.210503	-0.349886	-0.272409	-0.349886
1.23	1.166317	1.206345	-0.590736	1.206345	-0.195048	-0.341450	-0.271875	-0.341450
1.26	1.146843	1.196751	-0.600914	1.196751	-0.180578	-0.333395	-0.271131	-0.333395
1.29	1.129633	1.188160	-0.611344	1.188160	-0.167066	-0.325703	-0.270204	-0.325703
1.32	1.114469	1.180504	-0.621979	1.180504	-0.154434	-0.318355	-0.269117	-0.318355
1.35	1.101155	1.173722	-0.632777	1.173722	-0.142613	-0.311335	-0.267894	-0.311335

TABLE 3

GAMMA = -0.50

MYY=1

NV=1

EPSILON	A13	B13	A23	B23	A14	B14	A24	B24
0.01	-49.982514	0.00178	-0.00175	0.00178-5099.339294	-0.002042	-0.002042	1.002042	-1.002042
0.02	-22.631506	0.001942	-0.001937	0.001942-1178.623047	0.059578	0.059578	0.939023	-0.940422
0.03	-14.795932	0.003381	-0.003368	0.003381-524.610939	0.056172	0.056172	0.940467	-0.943828
0.04	-11.028555	0.004711	-0.004681	0.004711-299.605782	0.041332	0.041332	0.952558	-0.958668
0.05	-8.786151	0.006071	-0.006071	0.006071-195.140732	0.024335	0.024335	0.965961	-0.975665
0.06	-7.299901	0.007442	-0.007336	0.007442-138.122478	0.005561	0.005561	0.980226	-0.994439
0.07	-6.237923	0.008869	-0.008697	0.008869-103.458583	0.013844	0.013844	0.994171	-1.013844
0.08	-5.442948	0.010333	-0.010071	0.010333-80.804336	0.034201	0.034201	1.008072	-1.034201
0.09	-4.823172	0.011868	-0.011489	0.011868-65.130011	0.054964	0.054964	1.021348	-1.054964
0.10	-4.327267	0.013460	-0.012931	0.013460-53.830952	0.076396	0.076396	1.034219	-1.076396
0.11	-3.921352	0.015113	-0.014396	0.015113-45.405511	0.098473	0.098473	1.046624	-1.098473
0.12	-3.582674	0.016833	-0.015887	0.016833-38.944895	0.121116	0.121116	1.058446	-1.121116
0.13	-3.295904	0.018619	-0.017395	0.018619-33.878030	0.144373	0.144373	1.069697	-1.144373
0.14	-3.049820	0.020477	-0.018922	0.020477-29.825647	0.168188	0.168188	1.080291	-1.168188
0.15	-2.836267	0.022409	-0.020464	0.022409-26.530231	0.192533	0.192533	1.090173	-1.192533
0.16	-2.649151	0.024417	-0.022017	0.024417-23.811926	0.217401	0.217401	1.099310	-1.217401
0.17	-2.483915	0.026504	-0.023577	0.026504-21.541151	0.242755	0.242755	1.107648	-1.242755
0.18	-2.336813	0.028671	-0.025140	0.028671-19.622988	0.268564	0.268564	1.115139	-1.268564
0.19	-2.205028	0.030920	-0.026701	0.030920-17.986519	0.294786	0.294786	1.121737	-1.294786
0.20	-2.086261	0.033254	-0.028255	0.033254-16.577786	0.321374	0.321374	1.127393	-1.321374
0.21	-1.978666	0.035674	-0.029798	0.035674-15.355285	0.348278	0.348278	1.132065	-1.348278
0.22	-1.880726	0.038182	-0.031324	0.038182-14.286513	0.375439	0.375439	1.135712	-1.375439
0.23	-1.791201	0.040776	-0.032827	0.040776-13.345871	0.402803	0.402803	1.138303	-1.402803
0.24	-1.709038	0.043461	-0.034301	0.043461-12.512727	0.430292	0.430292	1.139798	-1.430292
0.25	-1.633368	0.046234	-0.035740	0.046234-11.770523	0.457838	0.457838	1.140172	-1.457838
0.26	-1.563463	0.049095	-0.037136	0.049095-11.105884	0.485374	0.485374	1.139412	-1.485374
0.27	-1.498688	0.052044	-0.038485	0.052044-10.507590	0.512812	0.512812	1.137497	-1.512812
0.28	-1.438505	0.055078	-0.039779	0.055078-9.966489	0.540070	0.540070	1.134421	-1.540070
0.29	-1.382457	0.058197	-0.041011	0.058197-9.474954	0.567067	0.567067	1.130189	-1.567067
0.30	-1.330143	0.061356	-0.042175	0.061356-9.026561	0.593715	0.593715	1.124806	-1.593715
0.31	-1.281216	0.064674	-0.043264	0.064674-8.615918	0.619931	0.619931	1.118295	-1.619931
0.32	-1.235375	0.068024	-0.044272	0.068024-8.238445	0.645633	0.645633	1.110681	-1.645633
0.33	-1.192353	0.071444	-0.045193	0.071444-7.890233	0.670735	0.670735	1.102000	-1.670735
0.34	-1.151914	0.074928	-0.046020	0.074928-7.567950	0.695161	0.695161	1.092294	-1.695161
0.35	-1.113853	0.078470	-0.046749	0.078470-7.268740	0.718836	0.718836	1.081617	-1.718836
0.36	-1.077986	0.082063	-0.047375	0.082063-6.990133	0.741692	0.741692	1.070026	-1.741692
0.37	-1.044147	0.085702	-0.047893	0.085702-6.729997	0.763666	0.763666	1.057588	-1.763666
0.38	-1.012188	0.089378	-0.048301	0.089378-6.486480	0.784701	0.784701	1.044373	-1.784701
0.39	-0.981980	0.093085	-0.048595	0.093085-6.257991	0.804752	0.804752	1.030460	-1.804752
0.40	-0.953400	0.096816	-0.048816	0.096816-6.043113	0.823777	0.823777	1.015924	-1.823777
0.41	-0.926341	0.100561	-0.048833	0.100561-5.840633	0.841746	0.841746	1.000852	-1.841746
0.42	-0.900704	0.104313	-0.048774	0.104313-5.649472	0.858636	0.858636	0.985326	-1.858636
0.43	-0.876399	0.108065	-0.048598	0.108065-5.468689	0.874434	0.874434	0.969430	-1.874434
0.44	-0.853342	0.111809	-0.048303	0.111809-5.297445	0.889130	0.889130	0.953247	-1.889130
0.45	-0.831457	0.115537	-0.047892	0.115537-5.135010	0.902731	0.902731	0.936861	-1.902731



UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA = -0.50

MY=1

NY=1

EPSILON	A13	B13	A23	B23	A14	B14	A24	B24
0.48	-0.772161	C.126558	-C.045983	C.126558	-4.694355	-C.937083	0.887259	-1.937083
0.51	-0.721169	C.137201	-C.043127	C.137201	-4.313226	-C.962287	0.838459	-1.962287
0.54	-0.677151	C.147330	-C.039437	C.147330	-3.981211	-C.979331	0.792021	-1.979331
0.57	-0.639012	C.156847	-C.035044	C.156847	-3.690432	-C.989409	0.749075	-1.989409
0.60	-0.605845	C.165692	-C.030085	C.165692	-3.434733	-C.993782	0.710350	-1.993782
0.63	-0.576893	C.173839	-C.024688	C.173839	-3.209157	-C.993660	0.676229	-1.993660
0.66	-0.551526	C.181287	-C.018973	C.181287	-3.009618	-C.990138	0.646826	-1.990138
0.69	-0.529214	C.188055	-C.013044	C.188055	-2.832701	-C.984160	0.622066	-1.984160
0.72	-0.509516	C.194175	-C.006988	C.194175	-2.675519	-C.976518	0.601748	-1.976518
0.75	-0.492060	C.199687	-C.000877	C.199687	-2.535612	-C.967852	0.585593	-1.967852
0.78	-0.476534	C.204634	-C.005228	C.204634	-2.410879	-C.958673	0.573288	-1.958673
0.81	-0.462676	C.209063	-C.011283	C.209063	-2.299520	-C.949382	0.564509	-1.949382
0.84	-0.450265	C.213018	-C.017250	C.213018	-2.199983	-C.940283	0.558935	-1.940283
0.87	-0.439112	C.216544	-C.023102	C.216544	-2.110935	-C.931611	0.556264	-1.931611
0.90	-0.429059	C.219679	-C.028820	C.219679	-2.031223	-C.923536	0.556213	-1.923536
0.93	-0.419967	C.222464	-C.034388	C.222464	-1.959849	-C.916186	0.558525	-1.916186
0.96	-0.411722	C.224933	-C.039796	C.224933	-1.895946	-C.909647	0.562955	-1.909647
0.99	-0.404222	C.227119	-C.045038	C.227119	-1.838759	-C.903982	0.569322	-1.903982
1.02	-0.397381	C.229049	-C.050110	C.229049	-1.787628	-C.899228	0.577405	-1.899228
1.05	-0.391123	C.230752	-C.055010	C.230752	-1.741974	-C.895406	0.587045	-1.895406
1.08	-0.385384	C.232251	-C.059740	C.232251	-1.701287	-C.892526	0.598089	-1.892526
1.11	-0.380106	C.233568	-C.064300	C.233568	-1.665119	-C.890584	0.610400	-1.890584
1.14	-0.375241	C.234722	-C.068695	C.234722	-1.633069	-C.889572	0.623854	-1.889572
1.17	-0.370744	C.235731	-C.072926	C.235731	-1.604783	-C.889475	0.638341	-1.889475
1.20	-0.366577	C.236611	-C.076999	C.236611	-1.579943	-C.890272	0.653761	-1.890272
1.23	-0.362707	C.237375	-C.080919	C.237375	-1.558266	-C.891941	0.670025	-1.891941
1.26	-0.359104	C.238038	-C.084689	C.238038	-1.539495	-C.894458	0.687051	-1.894458
1.29	-0.355741	C.238609	-C.088315	C.238609	-1.523400	-C.897794	0.704766	-1.897794
1.32	-0.352595	C.239100	-C.091803	C.239100	-1.509773	-C.901921	0.723101	-1.901921
1.35	-0.349647	C.239519	-C.095157	C.239519	-1.498423	-C.906811	0.741997	-1.906811

$\gamma = -0.50$

TABLE 2.1

GAMMA = -0.25

DISPLACEMENT L

R(Y)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.01	-5003.540100	4.027751	0.001799	1.999998	0.003995	0.000005	-250.249935	249.750250	0.000005	0.000005	-250.249935	249.750250
0.02	-1250.068893	4.000870	0.007199	1.999966	0.011312	0.000051	-88.742449	88.035377	0.000051	0.000051	-88.742449	88.035377
0.03	-555.577629	3.999570	0.016197	1.999825	0.020782	0.000210	-48.547074	47.681088	0.000210	0.000210	-48.547074	47.681088
0.04	-312.528168	3.998987	0.028787	1.999447	0.031988	0.000576	-31.753142	30.753257	0.000576	0.000576	-31.753142	30.753257
0.05	-200.045319	3.998564	0.044949	1.998652	0.044679	0.001256	-22.925121	21.807407	0.001256	0.001256	-22.925121	21.807407
0.06	-138.953758	3.997193	0.064649	1.997210	0.058672	0.002374	-17.631155	16.407133	0.002374	0.002374	-17.631155	16.407133
0.07	-102.128675	3.994845	0.087822	1.994845	0.073811	0.004063	-14.172361	12.850925	0.004063	0.004063	-14.172361	12.850925
0.08	-78.239382	3.991217	0.114361	1.991243	0.089950	0.006460	-11.772320	10.360722	0.006460	0.006460	-11.772320	10.360722
0.09	-61.872517	3.986043	0.144111	1.986057	0.106937	0.009705	-10.031086	8.535502	0.009705	0.009705	-10.031086	8.535502
0.10	-50.176866	3.978924	0.176854	1.978927	0.124691	0.013932	-8.723846	7.149744	0.013932	0.013932	-8.723846	7.149744
0.11	-41.534625	3.969485	0.212301	1.969487	0.142795	0.019264	-7.715518	6.067891	0.019264	0.019264	-7.715518	6.067891
0.12	-34.972319	3.957354	0.250089	1.957358	0.161294	0.025803	-6.920525	5.204059	0.025803	0.025803	-6.920525	5.204059
0.13	-29.875586	3.942358	0.289785	1.942361	0.179900	0.033627	-6.282274	4.501449	0.033627	0.033627	-6.282274	4.501449
0.14	-25.841099	3.924139	0.330892	1.924142	0.198356	0.042777	-5.761977	3.921133	0.042777	0.042777	-5.761977	3.921133
0.15	-22.595095	3.902592	0.372871	1.902594	0.216560	0.053261	-5.332238	3.435609	0.053261	0.053261	-5.332238	3.435609
0.16	-19.946411	3.877664	0.415160	1.877664	0.234178	0.065046	-4.973203	3.024923	0.065046	0.065046	-4.973203	3.024923
0.17	-17.758242	3.849400	0.457201	1.849402	0.251051	0.078063	-4.670167	2.674263	0.078063	0.078063	-4.670167	2.674263
0.18	-15.930568	3.817957	0.498468	1.817956	0.267003	0.092210	-4.412035	2.372401	0.092210	0.092210	-4.412035	2.372401
0.19	-14.388901	3.783557	0.538484	1.783559	0.281887	0.107360	-4.190300	2.110673	0.107360	0.107360	-4.190300	2.110673
0.20	-13.076846	3.746510	0.576845	1.746510	0.295587	0.123369	-3.998354	1.882283	0.123369	0.123369	-3.998354	1.882283
0.21	-11.951095	3.707158	0.613225	1.707159	0.308025	0.140083	-3.831001	1.681827	0.140083	0.140083	-3.831001	1.681827
0.22	-10.977960	3.665877	0.647380	1.665878	0.319150	0.157347	-3.684118	1.504955	0.157347	0.157347	-3.684118	1.504955
0.23	-10.130943	3.623046	0.679146	1.623049	0.328943	0.175011	-3.554401	1.348125	0.175011	0.175011	-3.554401	1.348125
0.24	-9.398988	3.579042	0.708432	1.579042	0.337411	0.192935	-3.439186	1.208432	0.192935	0.192935	-3.439186	1.208432
0.25	-8.735210	3.534207	0.735209	1.534207	0.344578	0.210992	-3.336307	1.083472	0.210992	0.210992	-3.336307	1.083472
0.26	-8.155951	3.488864	0.759500	1.488865	0.350487	0.229070	-3.243991	0.971242	0.229070	0.229070	-3.243991	0.971242
0.27	-7.640080	3.443301	0.781369	1.443301	0.355188	0.247071	-3.160778	0.870062	0.247071	0.247071	-3.160778	0.870062
0.28	-7.178460	3.397766	0.800908	1.397766	0.358742	0.264913	-3.085458	0.778518	0.264913	0.264913	-3.085458	0.778518
0.29	-6.763535	3.352475	0.818231	1.352474	0.361214	0.282530	-3.017021	0.695414	0.282530	0.282530	-3.017021	0.695414
0.30	-6.389924	3.307606	0.833468	1.307606	0.362668	0.299866	-2.954621	0.619729	0.299866	0.299866	-2.954621	0.619729
0.31	-6.049668	3.263311	0.846753	1.263311	0.363171	0.316877	-2.897545	0.550593	0.316877	0.316877	-2.897545	0.550593
0.32	-5.741039	3.219708	0.858225	1.219708	0.362788	0.333532	-2.845187	0.487261	0.333532	0.333532	-2.845187	0.487261
0.33	-5.459391	3.176894	0.868022	1.176894	0.361579	0.349804	-2.797029	0.429088	0.349804	0.349804	-2.797029	0.429088
0.34	-5.201536	3.134943	0.876276	1.134943	0.359606	0.365677	-2.752629	0.375521	0.365677	0.365677	-2.752629	0.375521
0.35	-4.964750	3.093909	0.883117	1.093909	0.356922	0.381141	-2.711606	0.326076	0.381141	0.381141	-2.711606	0.326076
0.36	-4.746692	3.053832	0.888666	1.053832	0.353580	0.396187	-2.673629	0.280334	0.396187	0.396187	-2.673629	0.280334
0.37	-4.545341	3.014737	0.893039	1.014737	0.349628	0.410816	-2.638409	0.237929	0.410816	0.410816	-2.638409	0.237929
0.38	-4.358947	2.976640	0.896342	0.976640	0.345111	0.425028	-2.605697	0.198539	0.425028	0.425028	-2.605697	0.198539
0.39	-4.185986	2.939546	0.898675	0.939546	0.340070	0.438827	-2.575271	0.161883	0.438827	0.438827	-2.575271	0.161883
0.40	-4.025130	2.903454	0.900129	0.903454	0.334544	0.452219	-2.546938	0.127713	0.452219	0.452219	-2.546938	0.127713
0.41	-3.875210	2.868355	0.900790	0.868355	0.328565	0.465213	-2.520526	0.095807	0.465213	0.465213	-2.520526	0.095807
0.42	-3.735202	2.834237	0.900734	0.834237	0.322167	0.477816	-2.495882	0.065971	0.477816	0.477816	-2.495882	0.065971
0.43	-3.604159	2.801083	0.900034	0.801083	0.315379	0.490040	-2.472871	0.038031	0.490040	0.490040	-2.472871	0.038031
0.44	-3.481398	2.768874	0.898753	0.768874	0.308227	0.501895	-2.451371	0.011834	0.501895	0.501895	-2.451371	0.011834
0.45	-3.366087	2.737589	0.896951	0.737589	0.300735	0.513391	-2.431275	-0.012760	0.513391	0.513391	-2.431275	-0.012760

CHARACTERISTIC COEFFICIENTS

TABLE 2.1

GAMMA = -0.25

DISPLACEMENT L

R(Y)

EPSILON	REAL P1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL P2	IMAG H2
0.48	-3.059076	2.649037	0.88936	0.649037	0.276433	0.545844	-2.378476	-0.078096
0.51	-2.800243	2.567912	0.877905	0.567912	0.249765	0.575479	-2.335313	-0.132776
0.54	-2.579447	2.493528	0.864769	0.493528	0.221116	0.602550	-2.300165	-0.178824
0.57	-2.389143	2.425226	0.850208	0.425226	0.190779	0.627448	-2.271798	-0.217765
0.60	-2.223617	2.362353	0.834728	0.362353	0.158979	0.650298	-2.249298	-0.250763
0.63	-2.078469	2.304475	0.818706	0.304475	0.125894	0.671359	-2.231796	-0.278729
0.66	-1.950263	2.250971	0.802420	0.250971	0.091661	0.690624	-2.218815	-0.302381
0.69	-1.836277	2.201439	0.786077	0.201439	0.056387	0.708864	-2.209839	-0.322294
0.72	-1.734335	2.155483	0.769839	0.155483	0.020100	0.725628	-2.204479	-0.338937
0.75	-1.642673	2.112754	0.753784	0.112754	-0.016953	0.741249	-2.202417	-0.352697
0.78	-1.559850	2.072942	0.738022	0.072942	-0.054897	0.755841	-2.203392	-0.363895
0.81	-1.484678	2.035773	0.722599	0.035773	-0.093625	0.769509	-2.207184	-0.372805
0.84	-1.416168	2.001004	0.707550	0.001004	-0.133101	0.782340	-2.213613	-0.379660
0.87	-1.353452	1.968420	0.692502	-0.031580	-0.173295	0.794416	-2.222521	-0.384662
0.90	-1.295952	1.937828	0.678668	-0.062172	-0.214181	0.805807	-2.233778	-0.387987
0.93	-1.242955	1.909056	0.664893	-0.090944	-0.255738	0.816576	-2.247269	-0.389792
0.96	-1.193995	1.881953	0.651460	-0.118047	-0.297947	0.826777	-2.262895	-0.390217
0.99	-1.148637	1.856381	0.638485	-0.143619	-0.340753	0.836462	-2.280570	-0.389388
1.02	-1.106505	1.832217	0.625971	-0.167783	-0.384223	0.845673	-2.300216	-0.387417
1.05	-1.067274	1.809351	0.613759	-0.190649	-0.428344	0.854452	-2.321763	-0.384411
1.08	-1.030658	1.787683	0.601939	-0.212317	-0.473026	0.862833	-2.345148	-0.380463
1.11	-0.996411	1.767124	0.590599	-0.232876	-0.518301	0.870849	-2.370312	-0.375663
1.14	-0.964313	1.747593	0.579579	-0.252407	-0.564159	0.878529	-2.397201	-0.370092
1.17	-0.934171	1.729015	0.568914	-0.270985	-0.610593	0.885898	-2.425765	-0.363825
1.20	-0.905815	1.711323	0.558592	-0.288677	-0.657597	0.892981	-2.455955	-0.356932
1.23	-0.879093	1.694458	0.548602	-0.305542	-0.705164	0.899799	-2.487724	-0.349479
1.26	-0.853870	1.678362	0.538929	-0.321638	-0.753289	0.906370	-2.521028	-0.341526
1.29	-0.830026	1.662986	0.529563	-0.337014	-0.801965	0.912714	-2.555824	-0.333129
1.32	-0.807451	1.648283	0.520491	-0.351717	-0.851188	0.918846	-2.592070	-0.324341
1.35	-0.786049	1.634210	0.511701	-0.365750	-0.900953	0.924780	-2.629226	-0.315209

$\gamma = -0.25$

CHARACTERISTIC COEFFICIENTS

TABLE 2.2

GAMMA = -0.25

N (XY)

M (YY)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.01	0.000045	-0.195947	-5.001000	4.599002	-0.039979	-0.000018	0.015979	-50.000018	0.015979	-0.000018	0.015979	-50.000018
0.02	0.000255	-0.282836	-3.538373	3.532717	-0.079996	-0.000144	0.039996	-25.000144	0.039996	-0.000144	0.039996	-25.000144
0.03	0.000701	-0.346402	-2.891994	2.801603	-0.119994	-0.000486	0.059994	-16.667153	0.059994	-0.000486	0.059994	-16.667153
0.04	0.001439	-0.399975	-2.508125	2.492131	-0.159978	-0.001151	0.079978	-12.501152	0.079978	-0.001151	0.079978	-12.501152
0.05	0.002513	-0.447145	-2.247519	2.225176	-0.199932	-0.002247	0.099932	-10.002247	0.099932	-0.002247	0.099932	-10.002247
0.06	0.003960	-0.489743	-2.035642	2.027097	-0.239832	-0.003879	0.119832	-8.337212	0.119832	-0.003879	0.119832	-8.337212
0.07	0.005812	-0.528841	-1.909189	1.872262	-0.279639	-0.006148	0.139639	-7.149005	0.139639	-0.006148	0.139639	-7.149005
0.08	0.008095	-0.565124	-1.791714	1.746694	-0.319299	-0.009149	0.159299	-6.259149	0.159299	-0.009149	0.159299	-6.259149
0.09	0.010825	-0.599051	-1.695603	1.642049	-0.358745	-0.012970	0.178745	-5.568526	0.178745	-0.012970	0.178745	-5.568526
0.10	0.014015	-0.630943	-1.615463	1.553012	-0.397893	-0.017685	0.197893	-5.017686	0.197893	-0.017685	0.197893	-5.017686
0.11	0.017664	-0.661026	-1.547673	1.476025	-0.436644	-0.023353	0.216644	-4.568808	0.216644	-0.023353	0.216644	-4.568808
0.12	0.021754	-0.689549	-1.489653	1.408609	-0.474888	-0.030011	0.234888	-4.196677	0.234888	-0.030011	0.234888	-4.196677
0.13	0.026293	-0.716379	-1.439537	1.348985	-0.512507	-0.037672	0.252507	-3.883826	0.252507	-0.037672	0.252507	-3.883826
0.14	0.031222	-0.741859	-1.395913	1.295837	-0.549380	-0.046325	0.269380	-3.617753	0.269380	-0.046325	0.269380	-3.617753
0.15	0.036509	-0.765978	-1.357691	1.248172	-0.585389	-0.055931	0.285389	-3.389264	0.285389	-0.055931	0.285389	-3.389264
0.16	0.042106	-0.788776	-1.324002	1.205220	-0.620426	-0.066426	0.300426	-3.191426	0.300426	-0.066426	0.300426	-3.191426
0.17	0.047956	-0.810369	-1.294146	1.166368	-0.654358	-0.077724	0.314358	-3.018901	0.314358	-0.077724	0.314358	-3.018901
0.18	0.054002	-0.830752	-1.267545	1.131124	-0.687232	-0.089724	0.327232	-2.867502	0.327232	-0.089724	0.327232	-2.867502
0.19	0.060164	-0.849999	-1.243722	1.099076	-0.718876	-0.102312	0.338876	-2.733891	0.338876	-0.102312	0.338876	-2.733891
0.20	0.066544	-0.868169	-1.222271	1.069581	-0.749302	-0.115309	0.349302	-2.615369	0.349302	-0.115309	0.349302	-2.615369
0.21	0.072729	-0.885231	-1.202855	1.043241	-0.778503	-0.128777	0.358503	-2.509730	0.358503	-0.128777	0.358503	-2.509730
0.22	0.078951	-0.901517	-1.184518	1.018898	-0.806493	-0.142423	0.366493	-2.415151	0.366493	-0.142423	0.366493	-2.415151
0.23	0.085188	-0.916820	-1.169002	0.996626	-0.833301	-0.156203	0.373301	-2.330117	0.373301	-0.156203	0.373301	-2.330117
0.24	0.091284	-0.931281	-1.156417	0.976225	-0.858970	-0.170024	0.378970	-2.253357	0.378970	-0.170024	0.378970	-2.253357
0.25	0.097251	-0.944992	-1.146037	0.957517	-0.883552	-0.183802	0.383552	-2.183802	0.383552	-0.183802	0.383552	-2.183802
0.26	0.103066	-0.957921	-1.137540	0.940342	-0.907105	-0.197470	0.387105	-2.120547	0.387105	-0.197470	0.387105	-2.120547
0.27	0.108712	-0.970314	-1.131571	0.924558	-0.924691	-0.210970	0.389691	-2.062821	0.389691	-0.210970	0.389691	-2.062821
0.28	0.114177	-0.982204	-1.127031	0.910039	-0.951374	-0.224254	0.391374	-2.009968	0.391374	-0.224254	0.391374	-2.009968
0.29	0.119453	-0.993320	-1.123976	0.896671	-0.972218	-0.237287	0.392218	-1.961425	0.392218	-0.237287	0.392218	-1.961425
0.30	0.124536	-1.003888	-1.121879	0.884352	-0.992282	-0.250040	0.392282	-1.916707	0.392282	-0.250040	0.392282	-1.916707
0.31	0.129423	-1.014089	-1.120472	0.872950	-1.011626	-0.262493	0.391626	-1.875397	0.391626	-0.262493	0.391626	-1.875397
0.32	0.134116	-1.023862	-1.119698	0.862505	-1.030307	-0.274632	0.390307	-1.837132	0.390307	-0.274632	0.390307	-1.837132
0.33	0.138616	-1.033242	-1.119525	0.852822	-1.048375	-0.286447	0.388375	-1.801599	0.388375	-0.286447	0.388375	-1.801599
0.34	0.142927	-1.042261	-1.119431	0.843875	-1.065880	-0.297934	0.385881	-1.768522	0.385881	-0.297934	0.385881	-1.768522
0.35	0.147053	-1.050948	-1.119376	0.835606	-1.082868	-0.309091	0.382868	-1.737662	0.382868	-0.309091	0.382868	-1.737662
0.36	0.151001	-1.059330	-1.119359	0.827960	-1.099379	-0.319920	0.379379	-1.708809	0.379379	-0.319920	0.379379	-1.708809
0.37	0.154770	-1.067431	-1.119350	0.820891	-1.115453	-0.330424	0.375453	-1.681776	0.375453	-0.330424	0.375453	-1.681776
0.38	0.158383	-1.075271	-1.119303	0.814353	-1.131123	-0.340610	0.371123	-1.656399	0.371123	-0.340610	0.371123	-1.656399
0.39	0.161830	-1.082872	-1.119284	0.808309	-1.146423	-0.350483	0.366423	-1.632534	0.366423	-0.350483	0.366423	-1.632534
0.40	0.165123	-1.090251	-1.119280	0.802723	-1.161381	-0.360052	0.361381	-1.610052	0.361381	-0.360052	0.361381	-1.610052
0.41	0.168268	-1.097424	-1.099608	0.797562	-1.176025	-0.369324	0.356025	-1.588836	0.356025	-0.369324	0.356025	-1.588836
0.42	0.171272	-1.104406	-1.098938	0.792798	-1.190379	-0.378308	0.350379	-1.568785	0.350379	-0.378308	0.350379	-1.568785
0.43	0.174141	-1.111211	-1.098287	0.788403	-1.204465	-0.387014	0.344466	-1.549805	0.344466	-0.387014	0.344466	-1.549805
0.44	0.176880	-1.117851	-1.097648	0.784354	-1.218304	-0.395451	0.338305	-1.531815	0.338305	-0.395451	0.338305	-1.531815
0.45	0.179496	-1.124337	-1.097020	0.780629	-1.231915	-0.403628	0.331915	-1.514739	0.331915	-0.403628	0.331915	-1.514739

CHARACTERISTIC COEFFICIENTS

TABLE 2.2

GAMMA= -0.25

N(XY)

M(YY)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.48	0.186658	-1.142959	-0.951992	0.771202	-1.271538	-0.426689	0.311538	-1.468356	0.311538	-0.426689	0.311538	-1.468356
0.51	0.192899	-1.160536	-0.934568	0.764056	-1.309635	-0.447732	0.289635	-1.428124	0.289635	-0.447732	0.289635	-1.428124
0.54	0.198338	-1.177218	-0.917789	0.758835	-1.346505	-0.466505	0.266505	-1.392901	0.266505	-0.466505	0.266505	-1.392901
0.57	0.203083	-1.193156	-0.901592	0.755260	-1.382378	-0.484618	0.242379	-1.361811	0.242379	-0.484618	0.242379	-1.361811
0.60	0.207221	-1.208460	-0.885779	0.753106	-1.417436	-0.500837	0.217436	-1.334170	0.217436	-0.500837	0.217436	-1.334170
0.63	0.210831	-1.223220	-0.870411	0.752194	-1.451819	-0.515784	0.191819	-1.309435	0.191819	-0.515784	0.191819	-1.309435
0.66	0.213977	-1.237508	-0.855403	0.752378	-1.485641	-0.529397	0.165641	-1.287173	0.165641	-0.529397	0.165641	-1.287173
0.69	0.216718	-1.251383	-0.840721	0.753538	-1.518993	-0.542393	0.138993	-1.267031	0.138993	-0.542393	0.138993	-1.267031
0.72	0.219100	-1.264892	-0.826340	0.755573	-1.551948	-0.554277	0.111948	-1.248721	0.111948	-0.554277	0.111948	-1.248721
0.75	0.221167	-1.278077	-0.812240	0.758399	-1.584565	-0.565338	0.084565	-1.232005	0.084565	-0.565338	0.084565	-1.232005
0.78	0.222955	-1.290970	-0.798407	0.761944	-1.616894	-0.575637	0.056895	-1.216683	0.056895	-0.575637	0.056895	-1.216683
0.81	0.224475	-1.302660	-0.784829	0.766147	-1.648976	-0.585305	0.028976	-1.202589	0.028976	-0.585305	0.028976	-1.202589
0.84	0.225815	-1.315992	-0.771500	0.770953	-1.680843	-0.594342	0.000844	-1.189580	0.000844	-0.594342	0.000844	-1.189580
0.87	0.226939	-1.328166	-0.758414	0.776316	-1.712525	-0.602825	-0.027475	-1.177537	-0.027475	-0.602825	-0.027475	-1.177537
0.90	0.227887	-1.340141	-0.745568	0.782193	-1.744044	-0.610831	-0.055955	-1.166356	-0.055955	-0.610831	-0.055955	-1.166356
0.93	0.228678	-1.351930	-0.732960	0.788548	-1.775422	-0.618314	-0.084578	-1.155948	-0.084578	-0.618314	-0.084578	-1.155948
0.96	0.229329	-1.363549	-0.720589	0.795346	-1.806674	-0.625402	-0.113325	-1.146235	-0.113325	-0.625402	-0.113325	-1.146235
0.99	0.229853	-1.375009	-0.708457	0.802555	-1.837816	-0.632100	-0.142183	-1.137151	-0.142183	-0.632100	-0.142183	-1.137151
1.02	0.230264	-1.386320	-0.696562	0.810147	-1.868861	-0.638439	-0.171139	-1.128635	-0.171139	-0.638439	-0.171139	-1.128635
1.05	0.230573	-1.397451	-0.684907	0.818055	-1.899818	-0.644447	-0.200182	-1.120637	-0.200182	-0.644447	-0.200182	-1.120637
1.08	0.230789	-1.408532	-0.673491	0.826373	-1.930697	-0.650148	-0.229302	-1.113111	-0.229302	-0.650148	-0.229302	-1.113111
1.11	0.230923	-1.419448	-0.662317	0.834959	-1.961508	-0.655565	-0.258492	-1.106016	-0.258492	-0.655565	-0.258492	-1.106016
1.14	0.230981	-1.430247	-0.651396	0.843829	-1.992255	-0.660719	-0.287744	-1.099316	-0.287744	-0.660719	-0.287744	-1.099316
1.17	0.230971	-1.440935	-0.640690	0.852962	-2.022947	-0.665629	-0.317053	-1.092979	-0.317053	-0.665629	-0.317053	-1.092979
1.20	0.230900	-1.451517	-0.630250	0.862338	-2.053588	-0.670311	-0.346412	-1.086977	-0.346412	-0.670311	-0.346412	-1.086977
1.23	0.230773	-1.461998	-0.620047	0.871937	-2.084183	-0.674780	-0.375817	-1.081284	-0.375817	-0.674780	-0.375817	-1.081284
1.26	0.230596	-1.472363	-0.610086	0.881742	-2.114726	-0.679051	-0.405263	-1.075876	-0.405263	-0.679051	-0.405263	-1.075876
1.29	0.230373	-1.482674	-0.600366	0.891733	-2.145252	-0.683136	-0.434748	-1.070733	-0.434748	-0.683136	-0.434748	-1.070733
1.32	0.230108	-1.492877	-0.590887	0.901895	-2.175733	-0.687047	-0.464266	-1.065835	-0.464266	-0.687047	-0.464266	-1.065835
1.35	0.229806	-1.502955	-0.581645	0.912211	-2.206183	-0.690796	-0.493817	-1.061166	-0.493817	-0.690796	-0.493817	-1.061166

Y=-0.25

TABLE 2.3

GAMMA= -0.25

DISPLACEMENT V

(IXX)

EPSILON	REAL F1	IMAG F1	REAL F2	IMAG F2	REAL F1	IMAG F1	REAL F2	IMAG F2	REAL F1	IMAG F1	REAL F2	IMAG F2
0.01	1000.442451	-0.178467	15.994998	-20.004993	-0.000018	0.039979	50.000018	0.039979	50.000018	0.039979	50.000018	0.039979
0.02	353.565453	-0.247641	14.127938	-14.156220	-0.000144	0.079996	25.000144	0.079996	25.000144	0.079996	25.000144	0.039996
0.03	192.454559	-0.303017	11.520794	-11.572749	-0.000406	0.119994	16.667153	0.119994	16.667153	0.119994	16.667153	0.039994
0.04	125.006412	-0.349752	9.959375	-10.035346	-0.001151	0.159978	12.501152	0.159978	12.501152	0.159978	12.501152	0.039978
0.05	85.454286	-0.390923	8.887024	-8.598728	-0.002247	0.199932	10.002248	0.199932	10.002248	0.199932	10.002248	0.039932
0.06	68.059508	-0.427830	8.089170	-8.235673	-0.003879	0.239832	9.337212	0.239832	9.337212	0.239832	9.337212	0.119832
0.07	54.021429	-0.461359	7.462490	-7.647064	-0.006143	0.279639	7.149005	0.279639	7.149005	0.279639	7.149005	0.139639
0.08	44.231053	-0.491975	6.951410	-7.176380	-0.009149	0.319299	6.259149	0.319299	6.259149	0.319299	6.259149	0.159299
0.09	37.086305	-0.515945	6.522133	-6.789657	-0.012970	0.358745	5.568745	0.358745	5.568745	0.358745	5.568745	0.178745
0.10	31.686475	-0.545356	6.153175	-6.465024	-0.017685	0.397893	5.017686	0.397893	5.017686	0.397893	5.017686	0.197893
0.11	27.490263	-0.568201	5.830107	-6.187634	-0.023353	0.436644	4.566644	0.436644	4.566644	0.436644	4.566644	0.216644
0.12	24.154774	-0.588425	5.542873	-5.946973	-0.030011	0.474888	4.196677	0.474888	4.196677	0.474888	4.196677	0.234888
0.13	21.453300	-0.605935	5.284258	-5.735340	-0.037672	0.512507	3.883826	0.512507	3.883826	0.512507	3.883826	0.252507
0.14	19.230526	-0.620626	5.048981	-5.546946	-0.046325	0.549300	3.617753	0.549300	3.617753	0.549300	3.617753	0.269300
0.15	17.376802	-0.632413	4.833108	-5.377353	-0.055931	0.585369	3.389264	0.585369	3.389264	0.585369	3.389264	0.285369
0.16	15.812708	-0.641237	4.633675	-5.223109	-0.066426	0.620426	3.151426	0.620426	3.151426	0.620426	3.151426	0.300426
0.17	14.479420	-0.647082	4.448422	-5.081505	-0.077724	0.654398	3.018901	0.654398	3.018901	0.654398	3.018901	0.314398
0.18	13.332518	-0.649991	4.279606	-4.950411	-0.089724	0.687232	2.867502	0.687232	2.867502	0.687232	2.867502	0.327232
0.19	12.337891	-0.650046	4.133000	-4.828144	-0.102312	0.718670	2.735891	0.718670	2.735891	0.718670	2.735891	0.338870
0.20	11.468953	-0.647388	3.962098	-4.713381	-0.115369	0.749302	2.615369	0.749302	2.615369	0.749302	2.615369	0.349302
0.21	10.704712	-0.642150	3.819425	-4.605078	-0.128777	0.778503	2.509730	0.778503	2.509730	0.778503	2.509730	0.358503
0.22	10.028406	-0.634656	3.685104	-4.502416	-0.142423	0.806493	2.415151	0.806493	2.415151	0.806493	2.415151	0.366493
0.23	9.426510	-0.625011	3.558497	-4.404749	-0.156203	0.833301	2.330117	0.833301	2.330117	0.833301	2.330117	0.373301
0.24	8.888020	-0.613485	3.439044	-4.311565	-0.170024	0.858970	2.253357	0.858970	2.253357	0.858970	2.253357	0.378970
0.25	8.403904	-0.600307	3.326246	-4.222456	-0.183802	0.883522	2.183802	0.883522	2.183802	0.883522	2.183802	0.383522
0.26	7.966656	-0.585704	3.219646	-4.137093	-0.197470	0.907105	2.120547	0.907105	2.120547	0.907105	2.120547	0.387105
0.27	7.570182	-0.569887	3.118827	-4.055205	-0.210970	0.929651	2.062821	0.929651	2.062821	0.929651	2.062821	0.389651
0.28	7.209158	-0.553052	3.023400	-3.976567	-0.224254	0.951374	2.009968	0.951374	2.009968	0.951374	2.009968	0.391374
0.29	6.879238	-0.535378	2.933004	-3.900988	-0.237287	0.972218	1.961425	0.972218	1.961425	0.972218	1.961425	0.392218
0.30	6.576709	-0.517027	2.847304	-3.828300	-0.250040	0.992282	1.916707	0.992282	1.916707	0.992282	1.916707	0.392282
0.31	6.298404	-0.498142	2.765987	-3.758355	-0.262493	1.011026	1.875397	1.011026	1.875397	1.011026	1.875397	0.391626
0.32	6.041614	-0.478849	2.686760	-3.691022	-0.274632	1.030307	1.837132	1.030307	1.837132	1.030307	1.837132	0.390307
0.33	5.804008	-0.459260	2.615351	-3.626179	-0.286447	1.048375	1.801599	1.048375	1.801599	1.048375	1.801599	0.388375
0.34	5.583573	-0.439469	2.545506	-3.563713	-0.297934	1.065880	1.768522	1.065880	1.768522	1.065880	1.768522	0.385881
0.35	5.378559	-0.419559	2.478991	-3.503519	-0.309091	1.082868	1.737662	1.082868	1.737662	1.082868	1.737662	0.382868
0.36	5.187444	-0.399501	2.415587	-3.445501	-0.319920	1.099379	1.708809	1.099379	1.708809	1.099379	1.708809	0.379379
0.37	5.008897	-0.379654	2.355090	-3.389563	-0.330424	1.115453	1.681776	1.115453	1.681776	1.115453	1.681776	0.375453
0.38	4.841733	-0.359769	2.297312	-3.335619	-0.340610	1.131123	1.656359	1.131123	1.656359	1.131123	1.656359	0.371123
0.39	4.684935	-0.339989	2.242079	-3.283585	-0.350423	1.146423	1.632534	1.146423	1.632534	1.146423	1.632534	0.366423
0.40	4.537582	-0.320349	2.189229	-3.233380	-0.360052	1.161381	1.610052	1.161381	1.610052	1.161381	1.610052	0.361381
0.41	4.398800	-0.300878	2.138611	-3.184930	-0.369324	1.176025	1.588836	1.176025	1.588836	1.176025	1.588836	0.356025
0.42	4.268062	-0.281600	2.090087	-3.138161	-0.378308	1.190379	1.568785	1.190379	1.568785	1.190379	1.568785	0.350379
0.43	4.144527	-0.262534	2.043528	-3.093004	-0.387014	1.204465	1.549805	1.204465	1.549805	1.204465	1.549805	0.344465
0.44	4.027683	-0.243657	1.998814	-3.049394	-0.395451	1.218304	1.531815	1.218304	1.531815	1.218304	1.531815	0.338304
0.45	3.917011	-0.225100	1.955835	-3.007267	-0.403628	1.231915	1.514739	1.231915	1.514739	1.231915	1.514739	0.331915

CHARACTERISTIC COEFFICIENTS

TABLE 2.3

GAMMA = -0.25

N(XX)

EPSILON	REAL F1		DISPLACEMENT V		REAL H2		IMAG F2		REAL H1		IMAG H1		REAL F2		IMAG H2	
	REAL F1	IMAG F1	REAL H2	IMAG F2	REAL H1	IMAG F2	REAL H1	IMAG H1	REAL F2	IMAG H1	REAL F2	IMAG H2	REAL F2	IMAG H2		
0.48	3.617578	-0.170828	1.836314	-2.889202	-0.426689	1.271538	1.468356	1.271538	1.468356	1.468356	1.271538	1.468356	1.468356	1.468356	1.468356	1.468356
0.51	3.459324	-0.118920	1.729119	-2.782450	-0.447732	1.309635	1.428124	1.309635	1.428124	1.428124	1.309635	1.428124	1.428124	1.428124	1.428124	1.428124
0.54	3.134458	-0.069387	1.632315	-2.685953	-0.466975	1.362901	1.392901	1.362901	1.392901	1.392901	1.362901	1.392901	1.392901	1.392901	1.392901	1.392901
0.57	2.936976	-0.022107	1.544339	-2.598182	-0.484618	1.382378	1.361811	1.382378	1.361811	1.361811	1.382378	1.361811	1.361811	1.361811	1.361811	1.361811
0.60	2.762248	0.022842	1.463919	-2.518516	-0.500837	1.417436	1.334170	1.417436	1.334170	1.334170	1.417436	1.334170	1.334170	1.334170	1.334170	1.334170
0.63	2.606618	0.065765	1.390014	-2.446022	-0.515784	1.451819	1.309435	1.451819	1.309435	1.309435	1.451819	1.309435	1.309435	1.309435	1.309435	1.309435
0.66	2.467169	0.104732	1.321764	-2.379974	-0.529597	1.485641	1.271773	1.485641	1.271773	1.271773	1.485641	1.271773	1.271773	1.271773	1.271773	1.271773
0.69	2.341541	0.145876	1.258458	-2.319740	-0.542353	1.518953	1.267031	1.518953	1.267031	1.267031	1.518953	1.267031	1.267031	1.267031	1.267031	1.267031
0.72	2.227814	0.183324	1.199571	-2.264766	-0.554277	1.551948	1.248721	1.551948	1.248721	1.248721	1.551948	1.248721	1.248721	1.248721	1.248721	1.248721
0.75	2.124400	0.219188	1.144395	-2.214205	-0.565338	1.584565	1.222025	1.584565	1.222025	1.222025	1.584565	1.222025	1.222025	1.222025	1.222025	1.222025
0.78	2.029923	0.252611	1.092714	-2.168708	-0.575657	1.616894	1.202389	1.616894	1.202389	1.202389	1.616894	1.202389	1.202389	1.202389	1.202389	1.202389
0.81	1.943453	0.282669	1.044118	-2.126817	-0.585305	1.648976	1.202389	1.648976	1.202389	1.202389	1.648976	1.202389	1.202389	1.202389	1.202389	1.202389
0.84	1.863853	0.318470	0.998237	-2.089556	-0.594342	1.680843	1.169280	1.680843	1.169280	1.169280	1.680843	1.169280	1.169280	1.169280	1.169280	1.169280
0.87	1.790453	0.345103	0.954966	-2.053622	-0.602825	1.712525	1.177537	1.712525	1.177537	1.177537	1.712525	1.177537	1.177537	1.177537	1.177537	1.177537
0.90	1.722589	0.378650	0.913932	-2.021740	-0.610801	1.744044	1.166356	1.744044	1.166356	1.166356	1.744044	1.166356	1.166356	1.166356	1.166356	1.166356
0.93	1.659592	0.407180	0.874973	-1.992693	-0.618314	1.775422	1.155948	1.775422	1.155948	1.155948	1.775422	1.155948	1.155948	1.155948	1.155948	1.155948
0.96	1.600959	0.434781	0.837979	-1.966233	-0.625402	1.806674	1.146235	1.806674	1.146235	1.146235	1.806674	1.146235	1.146235	1.146235	1.146235	1.146235
0.99	1.546375	0.461496	0.802746	-1.942186	-0.632100	1.837816	1.137151	1.837816	1.137151	1.137151	1.837816	1.137151	1.137151	1.137151	1.137151	1.137151
1.02	1.495335	0.487350	0.769105	-1.920357	-0.638439	1.868861	1.128635	1.868861	1.128635	1.128635	1.868861	1.128635	1.128635	1.128635	1.128635	1.128635
1.05	1.447547	0.512915	0.737124	-1.900588	-0.644447	1.899818	1.120637	1.899818	1.120637	1.120637	1.899818	1.120637	1.120637	1.120637	1.120637	1.120637
1.08	1.402714	0.536920	0.706522	-1.882728	-0.650148	1.930697	1.113111	1.930697	1.113111	1.113111	1.930697	1.113111	1.113111	1.113111	1.113111	1.113111
1.11	1.360577	0.560649	0.677271	-1.866641	-0.655565	1.961508	1.106016	1.961508	1.106016	1.106016	1.961508	1.106016	1.106016	1.106016	1.106016	1.106016
1.14	1.320964	0.582743	0.649291	-1.852199	-0.660719	1.992255	1.099316	1.992255	1.099316	1.099316	1.992255	1.099316	1.099316	1.099316	1.099316	1.099316
1.17	1.283490	0.602239	0.622512	-1.839285	-0.665629	2.022947	1.092979	2.022947	1.092979	1.092979	2.022947	1.092979	1.092979	1.092979	1.092979	1.092979
1.20	1.248150	0.628172	0.596866	-1.827752	-0.670311	2.053588	1.086977	2.053588	1.086977	1.086977	2.053588	1.086977	1.086977	1.086977	1.086977	1.086977
1.23	1.214721	0.649573	0.572297	-1.817620	-0.674780	2.084183	1.081284	2.084183	1.081284	1.081284	2.084183	1.081284	1.081284	1.081284	1.081284	1.081284
1.26	1.183055	0.670472	0.548745	-1.808675	-0.679051	2.114736	1.075876	2.114736	1.075876	1.075876	2.114736	1.075876	1.075876	1.075876	1.075876	1.075876
1.29	1.153019	0.690857	0.526173	-1.800871	-0.683136	2.145252	1.070733	2.145252	1.070733	1.070733	2.145252	1.070733	1.070733	1.070733	1.070733	1.070733
1.32	1.124493	0.710872	0.504521	-1.794128	-0.687047	2.175733	1.065835	2.175733	1.065835	1.065835	2.175733	1.065835	1.065835	1.065835	1.065835	1.065835
1.35	1.097367	0.730420	0.483752	-1.788372	-0.690796	2.206183	1.061166	2.206183	1.061166	1.061166	2.206183	1.061166	1.061166	1.061166	1.061166	1.061166

$\gamma = -0.25$

TABLE 3

GAMMA = -0.25

NYX=1

RY=1

EPSILON	AI1	E11	A21	F21	A12	B12	A22	E22
0.01	8397.69674	6.717266	-6.569743	6.717266	-167.822203	-0.134237	0.127294	-0.134237
0.02	1568.021164	5.025026	-4.785115	5.025026	-62.528119	-0.200366	0.175330	-0.200366
0.03	595.523587	4.330481	-3.995613	4.330481	-35.727783	-0.257995	0.217501	-0.257995
0.04	307.697334	3.559814	-3.525224	3.559814	-24.325500	-0.312847	0.247003	-0.312847
0.05	185.934807	3.739698	-3.195967	3.739698	-18.218728	-0.366783	0.265794	-0.366783
0.06	123.857608	3.603513	-2.941762	3.603513	-14.484880	-0.420602	0.285339	-0.420602
0.07	88.668257	3.518626	-2.729753	3.518626	-11.992963	-0.474515	0.297387	-0.474515
0.08	66.781923	3.466460	-2.542335	3.466460	-10.222457	-0.528401	0.302279	-0.528401
0.09	52.262340	3.434977	-2.369016	3.434977	-8.903015	-0.581875	0.301082	-0.581875
0.10	42.134347	3.416025	-2.203359	3.416025	-7.981713	-0.634352	0.293694	-0.634352
0.11	34.778920	3.403241	-2.041317	3.403241	-7.066067	-0.685089	0.280117	-0.685089
0.12	29.256587	3.391625	-1.881214	3.391625	-6.397233	-0.733236	0.269513	-0.733236
0.13	24.993546	3.377349	-1.722337	3.377349	-5.836317	-0.777900	0.232250	-0.777900
0.14	21.624364	3.357351	-1.565096	3.357351	-5.356865	-0.818256	0.204915	-0.818256
0.15	18.907922	3.329585	-1.410626	3.329585	-4.940455	-0.853563	0.170297	-0.853563
0.16	16.680410	3.292859	-1.260435	3.292859	-4.574055	-0.883249	0.132348	-0.883249
0.17	14.827664	3.246810	-1.116493	3.246810	-4.248307	-0.907131	0.092112	-0.907131
0.18	13.267863	3.191774	-0.980278	3.191774	-3.956365	-0.925027	0.050650	-0.925027
0.19	11.941644	3.128669	-0.852759	3.128669	-3.693159	-0.937156	0.008970	-0.937156
0.20	10.804436	3.058782	-0.735601	3.058782	-3.454800	-0.943883	-0.032037	-0.943883
0.21	9.922366	2.982621	-0.629172	2.982621	-3.238246	-0.945726	-0.071635	-0.945726
0.22	8.769088	2.904741	-0.533662	2.904741	-3.041022	-0.943285	-0.109257	-0.943285
0.23	8.223759	2.823621	-0.448915	2.823621	-2.861055	-0.937198	-0.144509	-0.937198
0.24	7.565628	2.741627	-0.374433	2.741627	-2.695655	-0.928098	-0.177148	-0.928098
0.25	6.993054	2.659876	-0.309762	2.659876	-2.545954	-0.916580	-0.207059	-0.916580
0.26	6.487754	2.579309	-0.253959	2.579309	-2.407954	-0.903183	-0.234235	-0.903183
0.27	6.029508	2.500652	-0.206263	2.500652	-2.281206	-0.888379	-0.258740	-0.888379
0.28	5.625322	2.424444	-0.165836	2.424444	-2.164635	-0.872572	-0.280696	-0.872572
0.29	5.263834	2.351063	-0.131865	2.351063	-2.057241	-0.856101	-0.300258	-0.856101
0.30	4.939301	2.280751	-0.103580	2.280751	-1.958125	-0.839241	-0.317600	-0.839241
0.31	4.647054	2.213639	-0.080272	2.213639	-1.866480	-0.822216	-0.332904	-0.822216
0.32	4.383061	2.149776	-0.061296	2.149776	-1.781584	-0.805201	-0.346351	-0.805201
0.33	4.143876	2.089145	-0.046077	2.089145	-1.702789	-0.788334	-0.358118	-0.788334
0.34	3.926540	2.031683	-0.034103	2.031683	-1.629516	-0.771719	-0.368370	-0.771719
0.35	3.728508	1.977250	-0.024925	1.977250	-1.561250	-0.755433	-0.377263	-0.755433
0.36	3.547581	1.925848	-0.018149	1.925848	-1.497528	-0.739534	-0.384940	-0.739534
0.37	3.381856	1.877221	-0.013434	1.877221	-1.437938	-0.724059	-0.391529	-0.724059
0.38	3.229681	1.831267	-0.010484	1.831267	-1.382111	-0.709033	-0.397150	-0.709033
0.39	3.089617	1.787842	-0.009043	1.787842	-1.329717	-0.694472	-0.401908	-0.694472
0.40	2.960407	1.746800	-0.008899	1.746800	-1.280460	-0.680360	-0.403898	-0.680360
0.41	2.840955	1.708000	-0.008832	1.708000	-1.234077	-0.666758	-0.409205	-0.666758
0.42	2.730252	1.671304	-0.011768	1.671304	-1.190329	-0.653600	-0.411905	-0.653600
0.43	2.627567	1.636583	-0.014377	1.636583	-1.149004	-0.640898	-0.414066	-0.640898
0.44	2.532032	1.603712	-0.017718	1.603712	-1.109909	-0.628641	-0.415746	-0.628641
0.45	2.443022	1.572573	-0.021626	1.572573	-1.072871	-0.616814	-0.417005	-0.616814



UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA= -0.25 NYX=1 RY=1

EPSILON	A11	B11	A21	B21	A12	B12	A22	B22
0.46	2.209568	1.488481	-C.035921	1.488481	-C.972608	-C.583772	-0.418673	-0.583772
0.51	2.017125	1.416411	-C.052773	1.416411	-C.886043	-C.554064	-0.417939	-0.554064
0.54	1.856509	1.354245	-C.071029	1.354245	-C.810551	-C.527277	-0.415528	-0.527277
0.57	1.721002	1.300283	-C.089962	1.300283	-C.744132	-C.503037	-0.411955	-0.503037
0.60	1.605604	1.253164	-C.109114	1.253164	-C.685240	-C.481013	-0.407582	-0.481013
0.63	1.506526	1.211756	-C.128204	1.211756	-C.632664	-C.460917	-0.402671	-0.460917
0.66	1.420859	1.175258	-C.147061	1.175258	-C.585442	-C.442505	-0.397407	-0.442505
0.69	1.346337	1.142955	-C.165585	1.142955	-C.542800	-C.425568	-0.391927	-0.425568
0.72	1.281169	1.114186	-C.183725	1.114186	-C.504110	-C.409931	-0.386325	-0.409931
0.75	1.223927	1.088512	-C.201457	1.088512	-C.468858	-C.395442	-0.380673	-0.395442
0.78	1.173460	1.065539	-C.218778	1.065539	-C.436616	-C.381973	-0.375021	-0.381973
0.81	1.128826	1.044937	-C.235692	1.044937	-C.407028	-C.369415	-0.369404	-0.369415
0.84	1.089253	1.026433	-C.252215	1.026433	-C.379752	-C.357675	-0.363849	-0.357675
0.87	1.054059	1.009754	-C.268361	1.009754	-C.354653	-C.346670	-0.358373	-0.346670
0.90	1.022827	0.994822	-C.284150	0.994822	-C.331393	-C.336333	-0.352987	-0.336333
0.93	0.994982	0.981351	-C.299595	0.981351	-C.309824	-C.326601	-0.347701	-0.326601
0.96	0.970179	0.969234	-C.314726	0.969234	-C.289782	-C.317423	-0.342520	-0.317423
0.99	0.948088	0.958347	-C.329547	0.958347	-C.271126	-C.308752	-0.337445	-0.308752
1.02	0.928425	0.948580	-C.344077	0.948580	-C.253731	-C.300547	-0.332479	-0.300547
1.05	0.910942	0.935838	-C.358331	0.935838	-C.237488	-C.292773	-0.327621	-0.292773
1.08	0.895424	0.932035	-C.372320	0.932035	-C.222300	-C.285397	-0.322871	-0.285397
1.11	0.881681	0.925056	-C.386055	0.925056	-C.208080	-C.278391	-0.318227	-0.278391
1.14	0.869548	0.918955	-C.399547	0.918955	-C.194751	-C.271730	-0.313687	-0.271730
1.17	0.858875	0.913550	-C.412803	0.913550	-C.182244	-C.265391	-0.309251	-0.265391
1.20	0.849531	0.908828	-C.425832	0.908828	-C.170457	-C.259352	-0.304915	-0.259352
1.23	0.841397	0.904737	-C.438641	0.904737	-C.159453	-C.253595	-0.300677	-0.253595
1.26	0.834368	0.901234	-C.451235	0.901234	-C.149062	-C.248102	-0.296536	-0.248102
1.29	0.828348	0.898276	-C.463621	0.898276	-C.139276	-C.242858	-0.292488	-0.242858
1.32	0.823252	0.895825	-C.475803	0.895825	-C.130054	-C.237848	-0.288533	-0.237848
1.35	0.818959	0.893846	-C.487786	0.893846	-C.121357	-C.233058	-0.284668	-0.233058

67

$\gamma = -0.25$

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA = -0.25

MYY = 1

NY = 1

EPSILON	A13	B13	A23	B23	A14	B14	A24	B24
0.01	-32.253111	-0.005751	0.005264	-0.005751	-1675.092422	-0.343085	1.313600	-1.343085
0.02	-16.352130	-0.012341	0.010158	-0.012341	-443.494232	-0.421271	1.353413	-1.421271
0.03	-11.017431	-0.019372	0.014310	-0.019372	-207.678276	-0.500132	1.384473	-1.500132
0.04	-8.346601	-0.026930	0.017674	-0.026930	-123.075712	-0.583977	1.410124	-1.583977
0.05	-6.740921	-0.034958	0.020118	-0.034958	-82.968695	-0.672569	1.429363	-1.672569
0.06	-5.667927	-0.043352	0.021524	-0.043352	-60.670773	-0.765644	1.441274	-1.765644
0.07	-4.898646	-0.052115	0.021758	-0.052115	-46.510043	-0.862401	1.444685	-1.862401
0.08	-4.318647	-0.060980	0.020703	-0.060980	-37.766575	-0.961800	1.438526	-1.961800
0.09	-3.864305	-0.069756	0.018261	-0.069756	-31.344097	-1.062469	1.421847	-2.062469
0.10	-3.497508	-0.078341	0.014372	-0.078341	-26.632322	-1.162769	1.393968	-2.162769
0.11	-3.194026	-0.086366	0.009025	-0.086366	-23.051305	-1.260812	1.354549	-2.260812
0.12	-2.937747	-0.093360	0.002268	-0.093360	-20.248286	-1.354537	1.303684	-2.354537
0.13	-2.717601	-0.099751	-0.005784	-0.099751	-17.998718	-1.441859	1.241974	-2.441859
0.14	-2.525753	-0.104690	-0.014947	-0.104690	-16.154372	-1.520834	1.170540	-2.520834
0.15	-2.356704	-0.108110	-0.024977	-0.108110	-14.614370	-1.589803	1.090975	-2.589803
0.16	-2.206231	-0.109923	-0.035589	-0.109923	-13.308413	-1.647547	1.005238	-2.647547
0.17	-2.071323	-0.110074	-0.046476	-0.110074	-12.186474	-1.693372	0.915501	-2.693372
0.18	-1.949666	-0.108586	-0.057331	-0.108586	-11.212182	-1.727125	0.823974	-2.727125
0.19	-1.839485	-0.105550	-0.067874	-0.105550	-10.358680	-1.749179	0.732748	-2.749179
0.20	-1.739361	-0.101111	-0.077867	-0.101111	-9.605619	-1.760319	0.643657	-2.760319
0.21	-1.648146	-0.095453	-0.087121	-0.095453	-8.937323	-1.761649	0.558204	-2.761649
0.22	-1.564878	-0.088780	-0.095505	-0.088780	-8.341404	-1.754452	0.477516	-2.754452
0.23	-1.488732	-0.081299	-0.102937	-0.081299	-7.807875	-1.740081	0.402362	-2.740081
0.24	-1.418925	-0.073209	-0.109393	-0.073209	-7.328527	-1.719868	0.333182	-2.719868
0.25	-1.355003	-0.064692	-0.114846	-0.064692	-6.896511	-1.695062	0.270143	-2.695062
0.26	-1.296214	-0.055909	-0.119358	-0.055909	-6.506018	-1.666780	0.213202	-2.666780
0.27	-1.242108	-0.046995	-0.122970	-0.046995	-6.152089	-1.635996	0.162156	-2.635996
0.28	-1.192229	-0.038063	-0.125747	-0.038063	-5.830453	-1.603532	0.116697	-2.603532
0.29	-1.146164	-0.029204	-0.127759	-0.029204	-5.537410	-1.570068	0.076454	-2.570068
0.30	-1.103546	-0.020488	-0.129079	-0.020488	-5.269749	-1.536155	0.041020	-2.536155
0.31	-1.064044	-0.011969	-0.129781	-0.011969	-5.024667	-1.502227	0.009980	-2.502227
0.32	-1.027363	-0.003686	-0.129935	-0.003686	-4.799717	-1.468622	-0.017076	-2.468622
0.33	-0.993239	0.004333	-0.129605	0.004333	-4.592759	-1.435597	-0.040537	-2.435597
0.34	-0.961436	0.012072	-0.128853	0.012072	-4.401913	-1.403341	-0.060770	-2.403341
0.35	-0.931743	0.019519	-0.127734	0.019519	-4.225532	-1.371989	-0.078114	-2.371989
0.36	-0.903972	0.026670	-0.126296	0.026670	-4.062163	-1.341635	-0.092878	-2.341635
0.37	-0.877953	0.033526	-0.124585	0.033526	-3.910527	-1.312336	-0.105340	-2.312336
0.38	-0.853536	0.040090	-0.122640	0.040090	-3.769496	-1.284123	-0.115754	-2.284123
0.39	-0.830587	0.046368	-0.120497	0.046368	-3.638069	-1.257008	-0.124344	-2.257008
0.40	-0.808983	0.052369	-0.118185	0.052369	-3.515361	-1.230986	-0.131311	-2.230986
0.41	-0.788615	0.058102	-0.115733	0.058102	-3.400587	-1.206042	-0.136835	-2.206042
0.42	-0.769387	0.063576	-0.113164	0.063576	-3.293045	-1.182151	-0.141073	-2.182151
0.43	-0.751209	0.068802	-0.110498	0.068802	-3.192112	-1.159283	-0.144168	-2.159283
0.44	-0.734002	0.073792	-0.107755	0.073792	-3.097231	-1.137404	-0.146244	-2.137404
0.45	-0.717693	0.078555	-0.104950	0.078555	-3.007901	-1.116476	-0.147411	-2.116476

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA= -0.25

MY=1

NY=1

EPSILON	A13	B13	A23	E23	A14	B14	A24	B24
0.48	-C.673536	C.091593	-C.096293	G.091593	-2.768970	-1.059019	-0.146386	-2.059019
0.51	-C.635446	C.102958	-C.087480	C.102958	-2.566337	-1.008746	-0.140102	-2.008746
0.54	-C.602306	C.112892	-C.073698	C.112892	-2.392684	-C.964692	-0.130026	-1.964692
0.57	-C.573257	C.121599	-C.070069	C.121599	-2.242517	-C.926000	-0.117185	-1.926000
0.60	-C.547626	C.129255	-C.061666	C.129255	-2.111648	-C.891937	-0.102305	-1.891937
0.63	-C.524877	C.136007	-C.053535	C.136007	-1.996835	-C.861885	-0.085902	-1.861885
0.66	-C.504584	C.141977	-C.045700	C.141977	-1.895537	-C.835324	-0.068347	-1.835324
0.69	-C.486356	C.147270	-C.038173	C.147270	-1.805736	-C.811823	-0.045908	-1.811823
0.72	-C.470028	C.151973	-C.030956	C.151973	-1.725812	-C.791017	-0.030778	-1.791017
0.75	-C.455241	C.156161	-C.024046	C.156161	-1.654449	-C.772606	-0.011102	-1.772606
0.78	-C.441836	C.159897	-C.017435	C.159897	-1.590568	-C.756335	0.009015	-1.756335
0.81	-C.429646	C.163235	-C.011114	C.163235	-1.533276	-C.741991	0.029494	-1.741991
0.84	-C.418528	C.166221	-C.005072	C.166221	-1.481827	-C.729393	0.050273	-1.729393
0.87	-C.408359	C.168855	C.000702	C.168855	-1.435593	-C.718389	0.071308	-1.718389
0.90	-C.399034	C.171293	C.006221	C.171293	-1.394040	-C.708847	0.092561	-1.708847
0.93	-C.390463	C.173445	C.011495	C.173445	-1.356712	-C.700656	0.114004	-1.700656
0.96	-C.382565	C.175377	C.016937	C.175377	-1.323215	-C.693717	0.135614	-1.693717
0.99	-C.375272	C.177112	C.021358	C.177112	-1.293207	-C.687947	0.157369	-1.687947
1.02	-C.368523	C.178672	C.025968	C.178672	-1.266388	-C.683271	0.179253	-1.683271
1.05	-C.362264	C.180074	C.030378	C.180074	-1.242456	-C.679623	0.201250	-1.679623
1.08	-C.356447	C.181335	C.034598	C.181335	-1.221237	-C.676945	0.223346	-1.676945
1.11	-C.351032	C.182470	C.038638	C.182470	-1.202582	-C.675184	0.245528	-1.675184
1.14	-C.345980	C.183451	C.042506	C.183451	-1.186167	-C.674292	0.267783	-1.674292
1.17	-C.341259	C.184409	C.046210	C.184409	-1.171881	-C.674224	0.290099	-1.674224
1.20	-C.336837	C.185236	C.049760	C.185236	-1.159573	-C.674941	0.312466	-1.674941
1.23	-C.332690	C.185979	C.053162	C.185979	-1.149104	-C.676404	0.334871	-1.676404
1.26	-C.328734	C.186649	C.056425	C.186649	-1.140347	-C.678577	0.357305	-1.678577
1.29	-C.325126	C.187252	C.059555	C.187252	-1.133185	-C.681429	0.379757	-1.681429
1.32	-C.321667	C.187734	C.062358	C.187734	-1.127512	-C.684926	0.402218	-1.684926
1.35	-C.318402	C.188283	C.065442	C.188283	-1.123229	-C.689039	0.424678	-1.689039

Y=-0.25

CHARACTERISTIC COEFFICIENTS

TABLE 2.1

GAMMA = -0.1C

DISPLACEMENT L

R(Y)

EPSILON	REAL F1	IMAG F1	REAL H2	IMAG H2	REAL H1	IMAG F1	REAL F2	IMAG H2
0.01	-2006.081345	9.594866	0.040495	7.999636	0.025296	0.000179	-63.689664	62.804268
0.02	-500.162075	9.994232	0.161738	7.994182	0.071472	0.002025	-22.994490	21.742853
0.03	-222.583813	9.970771	0.361551	7.970910	0.130696	0.003804	-12.958586	11.428471
0.04	-125.631917	9.905919	0.631899	7.909918	0.198757	0.022270	-8.829180	7.070596
0.05	-80.954475	9.790247	0.954468	7.790247	0.271220	0.046698	-5.705512	4.757828
0.06	-56.855670	9.597556	1.300111	7.597556	0.342716	0.082707	-5.465768	3.364243
0.07	-42.451764	9.332281	1.635431	7.332283	0.408340	0.129091	-4.677986	2.456205
0.08	-33.183097	9.005126	1.933036	7.009126	0.464732	0.182818	-4.144174	1.831858
0.09	-26.869530	8.650252	2.178169	6.650253	0.510596	0.240290	-3.763074	1.384846
0.10	-22.367552	8.277109	2.367550	6.277108	0.546279	0.298414	-3.479023	1.054027
0.11	-19.034613	7.906141	2.505687	5.906141	0.573003	0.355022	-3.259703	0.802168
0.12	-16.489221	7.548085	2.600331	5.548086	0.592266	0.408828	-3.085442	0.605644
0.13	-14.494134	7.205001	2.659814	5.205001	0.605504	0.459198	-2.943734	0.448960
0.14	-12.895804	6.891682	2.691722	4.891682	0.613954	0.505918	-2.826299	0.321663
0.15	-11.591321	6.596851	2.702431	4.596851	0.618624	0.549030	-2.727459	0.216517
0.16	-10.509580	6.324019	2.697080	4.324019	0.620317	0.588706	-2.643191	0.128357
0.17	-9.600124	6.072035	2.679709	4.072035	0.619660	0.625187	-2.570567	0.053593
0.18	-8.826295	5.835440	2.653455	3.835440	0.617143	0.658735	-2.507402	0.0010633
0.19	-8.160902	5.624669	2.620735	3.624669	0.613145	0.689612	-2.452035	-0.0066335
0.20	-7.583403	5.426170	2.583402	3.426170	0.607914	0.718069	-2.403174	-0.115081
0.21	-7.078022	5.242466	2.542874	3.242466	0.601830	0.744337	-2.359806	-0.158083
0.22	-6.632467	5.072189	2.500235	3.072189	0.594926	0.768627	-2.321117	-0.196293
0.23	-6.237028	4.914086	2.456309	2.914086	0.587355	0.791128	-2.286452	-0.230465
0.24	-5.883948	4.767024	2.411726	2.767024	0.579350	0.812012	-2.252574	-0.261204
0.25	-5.566961	4.625983	2.366961	2.625983	0.570880	0.831430	-2.227138	-0.289002
0.26	-5.280953	4.502049	2.322373	2.502049	0.562059	0.849518	-2.201675	-0.314259
0.27	-5.021717	4.382401	2.278233	2.382401	0.552943	0.866399	-2.178575	-0.337307
0.28	-4.785759	4.270308	2.234738	2.270308	0.543578	0.882179	-2.157575	-0.358420
0.29	-4.570156	4.165113	2.192034	2.165113	0.534002	0.896957	-2.138451	-0.377829
0.30	-4.372448	4.066228	2.150226	2.066228	0.524246	0.910817	-2.121011	-0.395728
0.31	-4.190549	3.973126	2.109364	1.973126	0.514332	0.923837	-2.105089	-0.412282
0.32	-4.022679	3.885334	2.069504	1.885334	0.504282	0.936088	-2.090542	-0.427632
0.33	-3.867312	3.802427	2.030764	1.802427	0.494111	0.947630	-2.077244	-0.441897
0.34	-3.723130	3.724022	1.993026	1.724022	0.483853	0.958521	-2.065087	-0.455183
0.35	-3.588994	3.649773	1.956341	1.649773	0.473457	0.968811	-2.053975	-0.467579
0.36	-3.463911	3.579367	1.920701	1.579367	0.462954	0.978545	-2.043822	-0.479164
0.37	-3.347012	3.512522	1.886091	1.512522	0.452449	0.987766	-2.034554	-0.490007
0.38	-3.237534	3.448981	1.852492	1.448981	0.441829	0.996511	-2.026105	-0.500167
0.39	-3.134807	3.388510	1.819882	1.388510	0.431139	1.004814	-2.018414	-0.509698
0.40	-3.038235	3.330896	1.788235	1.330896	0.420389	1.012707	-2.011430	-0.518648
0.41	-2.947252	3.275947	1.757524	1.275947	0.409560	1.020217	-2.005104	-0.527056
0.42	-2.861508	3.223485	1.727721	1.223485	0.398677	1.027371	-1.999394	-0.534962
0.43	-2.780403	3.173348	1.698797	1.173348	0.387734	1.034193	-1.994261	-0.542398
0.44	-2.703782	3.125388	1.670724	1.125388	0.377330	1.040705	-1.989671	-0.549393
0.45	-2.631127	3.079468	1.643473	1.079468	0.365677	1.046925	-1.985593	-0.555975

CHARACTERISTIC COEFFICIENTS

TABLE 2.1

GAMMA = -0.10

DISPLACEMENT L

EPSILON	REAL F-1		IMAG F-1		REAL H2		IMAG H2		REAL H1		IMAG H1		REAL H2		IMAG H2		R(Y)		
	REAL F1	IMAG F1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	
0.48	-2.434422	2.952741	1.566366	0.52741	0.332170	1.064022	-1.976156	-0.573471	0.298170	1.079087	-1.970440	-0.587989	0.298170	1.079087	-1.970440	-0.587989	0.298170	1.079087	
0.51	-2.264602	2.840405	1.495667	0.840405	0.298170	1.079087	-1.970440	-0.587989	0.263679	1.092459	-1.967960	-0.599939	0.263679	1.092459	-1.967960	-0.599939	0.263679	1.092459	
0.54	-2.116571	2.740166	1.430700	0.740166	0.228693	1.104407	-1.968341	-0.609636	0.228693	1.104407	-1.968341	-0.609636	0.228693	1.104407	-1.968341	-0.609636	0.228693	1.104407	
0.57	-1.986434	2.650189	1.370860	0.650189	0.193205	1.115149	-1.971292	-0.617328	0.193205	1.115149	-1.971292	-0.617328	0.193205	1.115149	-1.971292	-0.617328	0.193205	1.115149	
0.60	-1.871164	2.568986	1.315608	0.568986	0.157207	1.124864	-1.976582	-0.623217	0.157207	1.124864	-1.976582	-0.623217	0.157207	1.124864	-1.976582	-0.623217	0.157207	1.124864	
0.63	-1.768375	2.495345	1.264470	0.495345	0.120692	1.133698	-1.984032	-0.627467	0.120692	1.133698	-1.984032	-0.627467	0.120692	1.133698	-1.984032	-0.627467	0.120692	1.133698	
0.66	-1.676163	2.428262	1.217026	0.428262	0.083652	1.141772	-1.993496	-0.630217	0.083652	1.141772	-1.993496	-0.630217	0.083652	1.141772	-1.993496	-0.630217	0.083652	1.141772	
0.69	-1.592989	2.366905	1.172909	0.366905	0.06080	1.149190	-2.004860	-0.631584	0.06080	1.149190	-2.004860	-0.631584	0.06080	1.149190	-2.004860	-0.631584	0.06080	1.149190	
0.72	-1.517596	2.310575	1.131794	0.310575	0.047971	1.156035	-2.018030	-0.631672	0.047971	1.156035	-2.018030	-0.631672	0.047971	1.156035	-2.018030	-0.631672	0.047971	1.156035	
0.75	-1.448951	2.258620	1.093395	0.258620	-0.032931	1.162380	-2.032931	-0.630572	-0.032931	1.162380	-2.032931	-0.630572	-0.032931	1.162380	-2.032931	-0.630572	-0.032931	1.162380	
0.78	-1.386192	2.210720	1.057461	0.210720	-0.069879	1.168287	-2.049500	-0.628365	-0.069879	1.168287	-2.049500	-0.628365	-0.069879	1.168287	-2.049500	-0.628365	-0.069879	1.168287	
0.81	-1.328559	2.166266	1.023707	0.166266	-0.109627	1.173809	-2.067688	-0.625128	-0.109627	1.173809	-2.067688	-0.625128	-0.109627	1.173809	-2.067688	-0.625128	-0.109627	1.173809	
0.84	-1.275563	2.124948	0.992117	0.124948	-0.149928	1.178991	-2.087452	-0.620930	-0.149928	1.178991	-2.087452	-0.620930	-0.149928	1.178991	-2.087452	-0.620930	-0.149928	1.178991	
0.87	-1.226508	2.086446	0.962332	0.086446	-0.190783	1.183871	-2.108756	-0.615837	-0.190783	1.183871	-2.108756	-0.615837	-0.190783	1.183871	-2.108756	-0.615837	-0.190783	1.183871	
0.90	-1.181171	2.050484	0.934257	0.050484	-0.232193	1.188484	-2.131569	-0.609912	-0.232193	1.188484	-2.131569	-0.609912	-0.232193	1.188484	-2.131569	-0.609912	-0.232193	1.188484	
0.93	-1.138992	2.016819	0.907751	0.016819	-0.274159	1.192860	-2.155865	-0.603213	-0.274159	1.192860	-2.155865	-0.603213	-0.274159	1.192860	-2.155865	-0.603213	-0.274159	1.192860	
0.96	-1.099702	1.985238	0.882688	-0.014762	-0.316682	1.197023	-2.181619	-0.595797	-0.316682	1.197023	-2.181619	-0.595797	-0.316682	1.197023	-2.181619	-0.595797	-0.316682	1.197023	
0.99	-1.063016	1.955554	0.858955	-0.044446	-0.359761	1.200997	-2.208808	-0.587719	-0.359761	1.200997	-2.208808	-0.587719	-0.359761	1.200997	-2.208808	-0.587719	-0.359761	1.200997	
1.02	-1.028685	1.927602	0.836451	-0.072358	-0.403394	1.204801	-2.237412	-0.579033	-0.403394	1.204801	-2.237412	-0.579033	-0.403394	1.204801	-2.237412	-0.579033	-0.403394	1.204801	
1.05	-0.996450	1.901235	0.815084	-0.098765	-0.447582	1.208453	-2.267410	-0.569788	-0.447582	1.208453	-2.267410	-0.569788	-0.447582	1.208453	-2.267410	-0.569788	-0.447582	1.208453	
1.08	-0.966239	1.876321	0.794771	-0.123679	-0.492323	1.211968	-2.298780	-0.560034	-0.492323	1.211968	-2.298780	-0.560034	-0.492323	1.211968	-2.298780	-0.560034	-0.492323	1.211968	
1.11	-0.937761	1.852745	0.775437	-0.147255	-0.537616	1.215359	-2.331504	-0.549818	-0.537616	1.215359	-2.331504	-0.549818	-0.537616	1.215359	-2.331504	-0.549818	-0.537616	1.215359	
1.14	-0.910906	1.830402	0.757012	-0.169598	-0.583457	1.218640	-2.365559	-0.539186	-0.583457	1.218640	-2.365559	-0.539186	-0.583457	1.218640	-2.365559	-0.539186	-0.583457	1.218640	
1.17	-0.885539	1.809157	0.739436	-0.190603	-0.629847	1.221820	-2.400926	-0.528182	-0.629847	1.221820	-2.400926	-0.528182	-0.629847	1.221820	-2.400926	-0.528182	-0.629847	1.221820	
1.20	-0.861541	1.789046	0.722652	-0.210954	-0.676782	1.224909	-2.437581	-0.516846	-0.676782	1.224909	-2.437581	-0.516846	-0.676782	1.224909	-2.437581	-0.516846	-0.676782	1.224909	
1.23	-0.838803	1.769873	0.706607	-0.230127	-0.724260	1.227916	-2.475502	-0.505219	-0.724260	1.227916	-2.475502	-0.505219	-0.724260	1.227916	-2.475502	-0.505219	-0.724260	1.227916	
1.26	-0.817230	1.751607	0.691254	-0.248393	-0.772278	1.230849	-2.514667	-0.493337	-0.772278	1.230849	-2.514667	-0.493337	-0.772278	1.230849	-2.514667	-0.493337	-0.772278	1.230849	
1.29	-0.796735	1.734187	0.676590	-0.265813	-0.820835	1.233714	-2.555051	-0.481237	-0.820835	1.233714	-2.555051	-0.481237	-0.820835	1.233714	-2.555051	-0.481237	-0.820835	1.233714	
1.32	-0.777238	1.717555	0.662454	-0.282445	-0.869927	1.236518	-2.596631	-0.468951	-0.869927	1.236518	-2.596631	-0.468951	-0.869927	1.236518	-2.596631	-0.468951	-0.869927	1.236518	
1.35	-0.758670	1.701658	0.648931	-0.298342															

Y = -0.10

CHARACTERISTIC COEFFICIENTS

TABLE 2.2

GAMMA = -0.10

N(XY)

M(YY)

EPSILON	REAL F1	IMAG F1	REAL F2	IMAG F2	REAL H1	IMAG H1	REAL F2	IMAG H2	REAL F2	IMAG H2
0.01	C.006640	-C.316220	-3.168640	3.155992	-C.999995	-C.000405	0.079995	-20.00405	0.079995	-20.00405
0.02	C.003618	-C.447058	-2.254373	2.218629	-C.199883	-C.003235	0.159883	-10.003235	0.159883	-10.003235
0.03	C.009914	-C.547012	-1.860231	1.794818	-C.299124	-C.016846	0.239124	-6.677513	0.239124	-6.677513
0.04	C.020063	-C.629920	-1.635791	1.536039	-C.396397	-C.025276	0.316397	-5.025276	0.316397	-5.025276
0.05	C.034065	-C.700480	-1.492638	1.355856	-C.489512	-C.039512	0.389512	-4.047723	0.389512	-4.047723
0.06	C.051281	-C.760582	-1.395950	1.221844	-C.575856	-C.047807	0.455856	-3.411340	0.455856	-3.411340
0.07	C.070552	-C.811318	-1.328323	1.118562	-C.653260	-C.071480	0.513260	-2.971623	0.513260	-2.971623
0.08	C.090567	-C.853775	-1.279444	1.037423	-C.720730	-C.084648	0.560730	-2.654648	0.560730	-2.654648
0.09	C.110231	-C.889198	-1.242929	0.972806	-C.778523	-C.096035	0.598523	-2.418257	0.598523	-2.418257
0.10	C.128831	-C.918862	-1.214676	0.920721	-C.827711	-C.096755	0.627711	-2.236755	0.627711	-2.236755
0.11	C.146000	-C.943923	-1.192048	0.878239	-C.869675	-C.096675	0.649675	-2.093807	0.649675	-2.093807
0.12	C.161621	-C.965345	-1.173345	0.843190	-C.905770	-C.096570	0.665770	-1.978706	0.665770	-1.978706
0.13	C.175718	-C.983894	-1.157453	0.813958	-C.937170	-C.096483	0.677170	-1.884237	0.677170	-1.884237
0.14	C.188390	-C.1000163	-1.143628	0.789335	-C.964835	-C.096483	0.684835	-1.805412	0.684835	-1.805412
0.15	C.199764	-C.104610	-1.131362	0.768439	-C.989528	-C.096365	0.689528	-1.738698	0.689528	-1.738698
0.16	C.209974	-C.1082786	-1.120299	0.750484	-C.101183	-C.096333	0.691843	-1.681533	0.691843	-1.681533
0.17	C.219149	-C.1108183	-1.110183	0.735024	-C.1032246	-C.0962246	0.692246	-1.632021	0.692246	-1.632021
0.18	C.227407	-C.110826	-1.100826	0.721609	-C.1051039	-C.0961039	0.6951039	-1.588733	0.6951039	-1.588733
0.19	C.234852	-C.106114	-1.092090	0.709910	-C.1068687	-C.0960687	0.688687	-1.550571	0.688687	-1.550571
0.20	C.241577	-C.1069389	-1.083865	0.699663	-C.1085234	-C.096063	0.685234	-1.516680	0.685234	-1.516680
0.21	C.247664	-C.1078080	-1.076028	0.690655	-C.1100918	-C.096004	0.680918	-1.486385	0.680918	-1.486385
0.22	C.253184	-C.1086270	-1.068334	0.682714	-C.1115882	-C.0959052	0.675882	-1.459143	0.675882	-1.459143
0.23	C.258197	-C.1094032	-1.061510	0.675696	-C.1130240	-C.09584951	0.670240	-1.4324516	0.670240	-1.4324516
0.24	C.262758	-C.1101421	-1.054654	0.669484	-C.1144086	-C.09578814	0.664086	-1.412147	0.664086	-1.412147
0.25	C.266914	-C.1108485	-1.048029	0.663980	-C.1157476	-C.09571740	0.657476	-1.391740	0.657476	-1.391740
0.26	C.270706	-C.1115264	-1.041607	0.659100	-C.1170533	-C.09563817	0.650333	-1.373048	0.650333	-1.373048
0.27	C.274170	-C.1121792	-1.035365	0.654776	-C.1183248	-C.0955623	0.643248	-1.355863	0.643248	-1.355863
0.28	C.277337	-C.1128097	-1.029280	0.650946	-C.1195686	-C.095486	0.63686	-1.340012	0.63686	-1.340012
0.29	C.280237	-C.1134202	-1.023336	0.647561	-C.1207883	-C.0954052	0.627883	-1.325345	0.627883	-1.325345
0.30	C.282892	-C.1140120	-1.017519	0.644575	-C.1219868	-C.0953068	0.619868	-1.311734	0.619868	-1.311734
0.31	C.285326	-C.1145897	-1.011815	0.641951	-C.1231669	-C.0952369	0.611669	-1.299070	0.611669	-1.299070
0.32	C.287558	-C.1151519	-1.006213	0.639654	-C.1243307	-C.0951663	0.603307	-1.287257	0.603307	-1.287257
0.33	C.289605	-C.1157010	-1.000704	0.637658	-C.1254801	-C.0951052	0.594801	-1.276213	0.594801	-1.276213
0.34	C.291483	-C.1162381	-C.995279	0.635934	-C.1266167	-C.095046	0.586167	-1.265864	0.586167	-1.265864
0.35	C.293206	-C.1167643	-C.989931	0.634462	-C.1277420	-C.0949819	0.577420	-1.256148	0.577420	-1.256148
0.36	C.294786	-C.1172805	-C.984653	0.633222	-C.1288572	-C.0949152	0.568572	-1.247008	0.568572	-1.247008
0.37	C.296234	-C.1177874	-C.979440	0.632195	-C.1299633	-C.0948484	0.559633	-1.238394	0.559633	-1.238394
0.38	C.297562	-C.1182859	-C.974287	0.631366	-C.1310613	-C.0947817	0.550613	-1.230263	0.550613	-1.230263
0.39	C.298777	-C.1187765	-C.969189	0.630720	-C.1321519	-C.0947154	0.541519	-1.222574	0.541519	-1.222574
0.40	C.299889	-C.1192599	-C.964142	0.630247	-C.1332358	-C.0946494	0.532358	-1.215294	0.532358	-1.215294
0.41	C.300904	-C.1197365	-C.959142	0.629933	-C.1343138	-C.0945835	0.523138	-1.208390	0.523138	-1.208390
0.42	C.301821	-C.1202067	-C.954167	0.629768	-C.1353864	-C.0945171	0.513864	-1.201833	0.513864	-1.201833
0.43	C.302675	-C.1206711	-C.949273	0.629745	-C.1364540	-C.0944507	0.504540	-1.195599	0.504540	-1.195599
0.44	C.303442	-C.1211300	-C.944397	0.629654	-C.1375171	-C.0943843	0.495171	-1.189664	0.495171	-1.189664
0.45	C.304137	-C.1215837	-C.939558	0.630087	-C.1385760	-C.0943179	0.485760	-1.184007	0.485760	-1.184007

CHARACTERISTIC COEFFICIENTS

TABLE 2.2

GAMMA = -0.1C

N(XY)

M(YY)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL F2	IMAG F2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.48	C.305839	-1.229168	-C.92524C	C.631470	-1.417315	-C.751856	C.457315	-1.168522						
0.51	C.307049	-1.242129	-C.911185	C.633761	-1.4486C6	-C.762790	0.428606	-1.154947						
0.54	C.307855	-1.254717	-C.89736C	C.636840	-1.479650	-C.772578	0.399690	-1.142948						
0.57	C.308325	-1.267151	-C.883738	C.64C613	-1.5106C7	-C.781390	0.37C607	-1.132267						
0.60	C.308518	-1.279287	-C.8703C1	C.6450C6	-1.541392	-C.789365	0.341392	-1.122698						
0.63	C.308476	-1.291211	-C.857037	C.649958	-1.5720C7	-C.796616	0.312067	-1.114076						
0.66	C.308239	-1.302944	-C.843937	C.655421	-1.602653	-C.803237	0.282653	-1.106267						
0.69	C.307837	-1.3145C7	-C.83C095	C.661353	-1.633164	-C.8093C7	0.253165	-1.099162						
0.72	C.307295	-1.325912	-C.8192C8	C.667721	-1.663613	-C.814891	0.223614	-1.092669						
0.75	C.306634	-1.337174	-C.805576	C.674494	-1.694010	-C.820046	0.194010	-1.086713						
0.78	C.305873	-1.3483C3	-C.793099	C.681648	-1.724362	-C.824819	0.164362	-1.081230						
0.81	C.305027	-1.3593C7	-C.78C780	C.6891C0	-1.754675	-C.829251	0.134675	-1.076165						
0.84	C.3041C9	-1.37C15C	-C.768C71	C.697010	-1.784956	-C.833378	0.1C9356	-1.071473						
0.87	C.303129	-1.38C976	-C.756627	C.705178	-1.8152C8	-C.837229	0.0752C8	-1.067114						
0.90	C.302098	-1.391653	-C.7448C2	C.713648	-1.845435	-C.84C031	0.045436	-1.063053						
0.93	C.301023	-1.402232	-C.73315C	C.7224C4	-1.875641	-C.8442C8	0.015641	-1.059262						
0.96	C.299911	-1.412719	-C.721678	C.73143C	-1.905828	-C.847380	-0.014172	-1.055714						
0.99	C.298769	-1.423117	-C.71C3C5	C.74C711	-1.935938	-C.85C366	-0.044C01	-1.052386						
1.02	C.2976C1	-1.433429	-C.699288	C.75C233	-1.966154	-C.85318C	-0.073846	-1.049259						
1.05	C.296413	-1.443661	-C.688381	C.759982	-1.996236	-C.855838	-0.1C37C4	-1.046315						
1.08	C.2952C7	-1.453814	-C.677672	C.769943	-2.026426	-C.858353	-0.133573	-1.043538						
1.11	C.293989	-1.463891	-C.667164	C.78C1C3	-2.056547	-C.860734	-0.163453	-1.040915						
1.14	C.29276C	-1.473855	-C.656862	C.79C449	-2.086657	-C.862994	-0.193342	-1.038432						
1.17	C.291523	-1.483828	-C.646785	C.800967	-2.1167C0	-C.865140	-0.223240	-1.036080						
1.2C	C.29C281	-1.493693	-C.636885	C.811645	-2.146825	-C.867182	-0.253145	-1.033848						
1.23	C.289036	-1.503491	-C.627214	C.822468	-2.176943	-C.869126	-0.283057	-1.031728						
1.26	C.287789	-1.513224	-C.617757	C.833426	-2.207C25	-C.870980	-0.312975	-1.029710						
1.29	C.286543	-1.522854	-C.608515	C.8445C5	-2.2371C1	-C.872749	-0.342899	-1.027788						
1.32	C.285298	-1.5325C3	-C.599487	C.855654	-2.267172	-C.874439	-0.372828	-1.025954						
1.35	C.284055	-1.542052	-C.590673	C.866981	-2.297238	-C.876056	-0.4C2761	-1.0242C4						

$\gamma = -0.10$

CHARACTERISTIC COEFFICIENTS

TABLE 2.3

GAMMA = -0.1C

DISPLACEMENT V

N (XX)

EPSILON	REAL F1	IMAG F1	REAL F2	IMAG F2	REAL H1	IMAG H1	REAL F2	IMAG F2	REAL H1	IMAG H1	REAL F2	IMAG F2
0.01	632.470337	-1.248188	31.557444	-31.687084	-0.000465	0.099995	20.000465	0.000465	0.099995	20.000465	0.000465	0.099995
0.02	223.650360	-1.764854	22.171776	-22.537958	-0.003235	0.199883	10.003235	0.003235	0.199883	10.003235	0.003235	0.199883
0.03	121.835122	-2.153349	17.899093	-18.568254	-0.010846	0.299124	6.077516	0.010846	0.299124	6.077516	0.010846	0.299124
0.04	79.296748	-2.462085	15.239991	-16.255671	-0.025276	0.396397	5.025276	0.025276	0.396397	5.025276	0.025276	0.396397
0.05	56.972400	-2.699221	13.319135	-14.699238	-0.047723	0.489512	4.047723	0.047723	0.489512	4.047723	0.047723	0.489512
0.06	43.330323	-2.862950	11.809519	-13.541700	-0.078007	0.578956	3.411340	0.078007	0.578956	3.411340	0.078007	0.578956
0.07	34.959158	-2.953759	10.566952	-12.611120	-0.114480	0.653260	2.971623	0.114480	0.653260	2.971623	0.114480	0.653260
0.08	28.965707	-2.978928	9.521232	-11.819559	-0.154648	0.720730	2.654648	0.154648	0.720730	2.654648	0.154648	0.720730
0.09	24.625403	-2.951527	8.632719	-11.122325	-0.196035	0.778523	2.418257	0.196035	0.778523	2.418257	0.196035	0.778523
0.10	21.361385	-2.886176	7.874151	-10.496713	-0.236755	0.827711	2.236755	0.236755	0.827711	2.236755	0.236755	0.827711
0.11	18.829513	-2.795892	7.223910	-9.930383	-0.275626	0.869675	2.093807	0.275626	0.869675	2.093807	0.275626	0.869675
0.12	16.814476	-2.690818	6.663939	-9.415956	-0.312040	0.905770	1.978706	0.312040	0.905770	1.978706	0.312040	0.905770
0.13	15.176004	-2.578223	6.179105	-8.946436	-0.345776	0.937170	1.884237	0.345776	0.937170	1.884237	0.345776	0.937170
0.14	13.819449	-2.463042	5.756891	-8.518177	-0.376841	0.964835	1.805412	0.376841	0.964835	1.805412	0.376841	0.964835
0.15	12.678953	-2.348485	5.386855	-8.126509	-0.403565	0.989528	1.738698	0.403565	0.989528	1.738698	0.403565	0.989528
0.16	11.707425	-2.236559	5.060675	-7.767610	-0.431533	1.011843	1.681533	0.431533	1.011843	1.681533	0.431533	1.011843
0.17	10.870382	-2.128457	4.771419	-7.438055	-0.455550	1.032246	1.632021	0.455550	1.032246	1.632021	0.455550	1.032246
0.18	10.142039	-2.024825	4.513492	-7.134787	-0.477622	1.051099	1.588733	0.477622	1.051099	1.588733	0.477622	1.051099
0.19	9.502749	-1.925960	4.282155	-6.855088	-0.497940	1.068687	1.550571	0.497940	1.068687	1.550571	0.497940	1.068687
0.20	8.937255	-1.831931	4.073722	-6.596550	-0.516680	1.085234	1.516680	0.516680	1.085234	1.516680	0.516680	1.085234
0.21	8.433714	-1.742663	3.885001	-6.357044	-0.534004	1.100918	1.486385	0.534004	1.100918	1.486385	0.534004	1.100918
0.22	7.982480	-1.657957	3.713371	-6.134689	-0.550052	1.115882	1.459143	0.550052	1.115882	1.459143	0.550052	1.115882
0.23	7.575914	-1.577721	3.556636	-5.927825	-0.564951	1.130240	1.434516	0.564951	1.130240	1.434516	0.564951	1.130240
0.24	7.207760	-1.501603	3.412948	-5.734982	-0.578814	1.144086	1.412147	0.578814	1.144086	1.412147	0.578814	1.144086
0.25	6.872671	-1.429357	3.280743	-5.554659	-0.591740	1.157496	1.391740	0.591740	1.157496	1.391740	0.591740	1.157496
0.26	6.566978	-1.360561	3.158690	-5.386354	-0.603817	1.170333	1.373048	0.603817	1.170333	1.373048	0.603817	1.170333
0.27	6.286505	-1.295756	3.045051	-5.228292	-0.615123	1.183248	1.355863	0.615123	1.183248	1.355863	0.615123	1.183248
0.28	6.028440	-1.233858	2.940648	-5.079913	-0.625727	1.195686	1.340012	0.625727	1.195686	1.340012	0.625727	1.195686
0.29	5.790226	-1.174951	2.842836	-4.940352	-0.635690	1.207883	1.325345	0.635690	1.207883	1.325345	0.635690	1.207883
0.30	5.565679	-1.118836	2.751482	-4.808894	-0.645068	1.219868	1.311734	0.645068	1.219868	1.311734	0.645068	1.219868
0.31	5.364922	-1.065325	2.665048	-4.684856	-0.653909	1.231669	1.299070	0.653909	1.231669	1.299070	0.653909	1.231669
0.32	5.174335	-1.014244	2.585674	-4.567683	-0.662257	1.243307	1.287257	0.662257	1.243307	1.287257	0.662257	1.243307
0.33	4.996510	-0.965433	2.510171	-4.456840	-0.670152	1.254801	1.276213	0.670152	1.254801	1.276213	0.670152	1.254801
0.34	4.830220	-0.918741	2.439007	-4.351851	-0.677629	1.266167	1.265864	0.677629	1.266167	1.265864	0.677629	1.266167
0.35	4.674387	-0.874032	2.371798	-4.252286	-0.684719	1.277420	1.256148	0.684719	1.277420	1.256148	0.684719	1.277420
0.36	4.528066	-0.831178	2.308206	-4.157758	-0.691452	1.288572	1.247008	0.691452	1.288572	1.247008	0.691452	1.288572
0.37	4.390420	-0.790061	2.247929	-4.067912	-0.697854	1.299633	1.238394	0.697854	1.299633	1.238394	0.697854	1.299633
0.38	4.260708	-0.750574	2.190697	-3.982427	-0.703947	1.310613	1.230263	0.703947	1.310613	1.230263	0.703947	1.310613
0.39	4.138269	-0.712615	2.136269	-3.901012	-0.709754	1.321519	1.222574	0.709754	1.321519	1.222574	0.709754	1.321519
0.40	4.022516	-0.676093	2.084427	-3.823338	-0.715294	1.332358	1.215294	0.715294	1.332358	1.215294	0.715294	1.332358
0.41	3.912922	-0.640921	2.034977	-3.749341	-0.720595	1.343138	1.208390	0.720595	1.343138	1.208390	0.720595	1.343138
0.42	3.809011	-0.607020	1.987742	-3.678618	-0.725643	1.353864	1.201833	0.725643	1.353864	1.201833	0.725643	1.353864
0.43	3.710360	-0.574316	1.942564	-3.611022	-0.730483	1.364540	1.195599	0.730483	1.364540	1.195599	0.730483	1.364540
0.44	3.616581	-0.542741	1.899296	-3.546364	-0.735118	1.375171	1.189664	0.735118	1.375171	1.189664	0.735118	1.375171
0.45	3.527328	-0.512233	1.857809	-3.484471	-0.739563	1.385760	1.184007	0.739563	1.385760	1.184007	0.739563	1.385760



CHARACTERISTIC COEFFICIENTS

TABLE 2.3

GAMMA = -0.10

DISPLACEMENT V

N(XX)

EPSILON	REAL F1	IMAG F1	REAL H2	IMAG H2	REAL H1	IMAG H1	IMAG H1	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H2	IMAG H2	REAL F2	IMAG F2	REAL F2	IMAG F2
0.48	3.283698	-0.426536	1.742862	-3.213831	-0.751856	1.417315	1.417315	1.168522	1.168522	1.417315	1.417315	1.168522	1.168522	1.168522	1.168522	1.168522	1.168522
0.51	3.070975	-0.348547	1.640241	-3.162966	-0.762790	1.448606	1.448606	1.154947	1.154947	1.448606	1.448606	1.154947	1.154947	1.154947	1.154947	1.154947	1.154947
0.54	2.883687	-0.277147	1.547789	-3.028899	-0.772578	1.479690	1.479690	1.142948	1.142948	1.479690	1.479690	1.142948	1.142948	1.142948	1.142948	1.142948	1.142948
0.57	2.717582	-0.211419	1.463881	-2.902225	-0.781390	1.510607	1.510607	1.132267	1.132267	1.510607	1.510607	1.132267	1.132267	1.132267	1.132267	1.132267	1.132267
0.60	2.569257	-0.150610	1.387217	-2.801986	-0.789365	1.541392	1.541392	1.122698	1.122698	1.541392	1.541392	1.122698	1.122698	1.122698	1.122698	1.122698	1.122698
0.63	2.436147	-0.094093	1.316751	-2.705566	-0.796616	1.572067	1.572067	1.114076	1.114076	1.572067	1.572067	1.114076	1.114076	1.114076	1.114076	1.114076	1.114076
0.66	2.315954	-0.041343	1.251636	-2.618626	-0.803237	1.602653	1.602653	1.106267	1.106267	1.602653	1.602653	1.106267	1.106267	1.106267	1.106267	1.106267	1.106267
0.69	2.206941	0.008081	1.191179	-2.540041	-0.809307	1.633164	1.633164	1.099162	1.099162	1.633164	1.633164	1.099162	1.099162	1.099162	1.099162	1.099162	1.099162
0.72	2.107637	0.054554	1.134809	-2.468861	-0.814891	1.663613	1.663613	1.092669	1.092669	1.663613	1.663613	1.092669	1.092669	1.092669	1.092669	1.092669	1.092669
0.75	2.016820	0.098397	1.082050	-2.404280	-0.820046	1.694010	1.694010	1.086713	1.086713	1.694010	1.694010	1.086713	1.086713	1.086713	1.086713	1.086713	1.086713
0.78	1.933620	0.135884	1.032504	-2.345606	-0.824819	1.724362	1.724362	1.081230	1.081230	1.724362	1.724362	1.081230	1.081230	1.081230	1.081230	1.081230	1.081230
0.81	1.856630	0.172252	0.985837	-2.292242	-0.829251	1.754675	1.754675	1.076165	1.076165	1.754675	1.754675	1.076165	1.076165	1.076165	1.076165	1.076165	1.076165
0.84	1.785770	0.216707	0.941765	-2.243671	-0.833378	1.784956	1.784956	1.071473	1.071473	1.784956	1.784956	1.071473	1.071473	1.071473	1.071473	1.071473	1.071473
0.87	1.720005	0.252428	0.900046	-2.199443	-0.837229	1.815208	1.815208	1.067114	1.067114	1.815208	1.815208	1.067114	1.067114	1.067114	1.067114	1.067114	1.067114
0.90	1.659031	0.286573	0.860473	-2.159161	-0.840831	1.845435	1.845435	1.063053	1.063053	1.845435	1.845435	1.063053	1.063053	1.063053	1.063053	1.063053	1.063053
0.93	1.602194	0.319279	0.822862	-2.122476	-0.844208	1.875641	1.875641	1.059262	1.059262	1.875641	1.875641	1.059262	1.059262	1.059262	1.059262	1.059262	1.059262
0.96	1.549142	0.350668	0.787077	-2.089079	-0.847380	1.905828	1.905828	1.055714	1.055714	1.905828	1.905828	1.055714	1.055714	1.055714	1.055714	1.055714	1.055714
0.99	1.499517	0.380848	0.752905	-2.058693	-0.850366	1.935998	1.935998	1.052386	1.052386	1.935998	1.935998	1.052386	1.052386	1.052386	1.052386	1.052386	1.052386
1.02	1.453002	0.409915	0.720416	-2.031072	-0.853180	1.966154	1.966154	1.049259	1.049259	1.966154	1.966154	1.049259	1.049259	1.049259	1.049259	1.049259	1.049259
1.05	1.409319	0.437956	0.689925	-2.005993	-0.855838	1.996296	1.996296	1.046315	1.046315	1.996296	1.996296	1.046315	1.046315	1.046315	1.046315	1.046315	1.046315
1.08	1.368220	0.465047	0.659602	-1.983255	-0.858353	2.026426	2.026426	1.043538	1.043538	2.026426	2.026426	1.043538	1.043538	1.043538	1.043538	1.043538	1.043538
1.11	1.329489	0.491256	0.631165	-1.962677	-0.860734	2.056547	2.056547	1.040915	1.040915	2.056547	2.056547	1.040915	1.040915	1.040915	1.040915	1.040915	1.040915
1.14	1.292928	0.516646	0.603942	-1.944052	-0.862994	2.086657	2.086657	1.038432	1.038432	2.086657	2.086657	1.038432	1.038432	1.038432	1.038432	1.038432	1.038432
1.17	1.258364	0.541274	0.577867	-1.927351	-0.865140	2.116760	2.116760	1.036080	1.036080	2.116760	2.116760	1.036080	1.036080	1.036080	1.036080	1.036080	1.036080
1.20	1.225641	0.565169	0.552880	-1.912316	-0.867182	2.146855	2.146855	1.033848	1.033848	2.146855	2.146855	1.033848	1.033848	1.033848	1.033848	1.033848	1.033848
1.23	1.194618	0.588439	0.528928	-1.898158	-0.869126	2.176943	2.176943	1.031728	1.031728	2.176943	2.176943	1.031728	1.031728	1.031728	1.031728	1.031728	1.031728
1.26	1.165168	0.611064	0.505959	-1.886862	-0.870920	2.207025	2.207025	1.029710	1.029710	2.207025	2.207025	1.029710	1.029710	1.029710	1.029710	1.029710	1.029710
1.29	1.137176	0.633104	0.483929	-1.876220	-0.872749	2.237101	2.237101	1.027788	1.027788	2.237101	2.237101	1.027788	1.027788	1.027788	1.027788	1.027788	1.027788
1.32	1.110540	0.654593	0.462793	-1.866834	-0.874439	2.267172	2.267172	1.025954	1.025954	2.267172	2.267172	1.025954	1.025954	1.025954	1.025954	1.025954	1.025954
1.35	1.085164	0.675563	0.442513	-1.858011	-0.876056	2.297238	2.297238	1.024204	1.024204	2.297238	2.297238	1.024204	1.024204	1.024204	1.024204	1.024204	1.024204

$\gamma = -0.10$

TABLE 3

GAMMA = -0.1C

NYX=1

RY=1

EPSILON	A11	E11	A21	E21	A12	B12	A22	B22
0.01	1233.586136	6.189756	-5.613822	6.189756	-61.394597	-C.307998	0.263632	-0.307998
0.02	256.380196	5.186945	-4.108180	5.186945	-25.200617	-C.509140	0.359653	-0.509140
0.03	108.702467	4.575434	-3.298304	4.575434	-15.726459	-C.377548	0.397497	-0.717548
0.04	61.187342	4.565949	-2.611672	4.565949	-11.522748	-C.927712	0.372565	-0.927712
0.05	39.860776	4.548248	-1.933029	4.548248	-9.124145	-1.117435	0.282435	-1.117435
0.06	28.261054	4.830474	-1.274274	4.830474	-7.526516	-1.260408	0.139982	-1.260408
0.07	21.150442	4.592106	-C.691618	4.592106	-6.359167	-1.341528	-C.027460	-1.341528
0.08	16.456173	4.267627	-C.229282	4.267627	-5.465332	-1.364001	-0.191086	-1.364001
0.09	13.206599	3.909104	C.103749	3.909104	-4.376613	-1.343249	-0.332349	-1.343249
0.10	10.878672	3.557828	C.323101	3.557828	-4.212287	-1.296685	-0.444778	-1.296685
0.11	9.163057	3.236603	C.461726	3.236603	-3.768280	-1.237858	-0.529741	-1.237858
0.12	7.866427	2.953822	C.538803	2.953822	-3.607622	-1.175405	-0.591747	-1.175405
0.13	6.863830	2.705670	C.575892	2.705670	-3.110524	-1.114140	-0.635798	-1.114140
0.14	6.072456	2.506623	C.588895	2.506623	-2.823221	-1.056426	-0.666262	-1.056426
0.15	5.436167	2.321966	C.581263	2.321966	-2.652159	-1.003214	-0.686604	-1.003214
0.16	4.916086	2.168992	C.565279	2.168992	-2.471972	-C.954696	-0.699454	-0.954696
0.17	4.484726	2.037488	C.543072	2.037488	-2.315713	-C.910688	-0.706770	-0.910688
0.18	4.122270	1.923863	C.517336	1.923863	-2.178805	-C.870840	-0.709994	-C.870840
0.19	3.814166	1.825137	C.489826	1.825137	-2.057739	-C.834742	-0.710193	-C.834742
0.20	3.549542	1.738860	C.461673	1.738860	-1.949791	-C.801987	-0.708152	-0.801987
0.21	3.320151	1.663031	C.433598	1.663031	-1.852825	-C.772193	-0.704458	-0.772193
0.22	3.119641	1.596015	C.406055	1.596015	-1.765143	-0.745014	-0.699548	-C.745014
0.23	2.943059	1.536473	C.379318	1.536473	-1.685381	-C.720145	-0.693750	-C.720145
0.24	2.786491	1.483304	C.353544	1.483304	-1.612434	-C.697316	-0.687312	-0.697316
0.25	2.646811	1.435559	C.328009	1.435559	-1.545355	-0.676293	-0.680423	-0.676293
0.26	2.521497	1.392604	C.305143	1.392604	-1.483516	-C.656872	-0.673227	-0.656872
0.27	2.408494	1.353650	C.282539	1.353650	-1.426171	-C.638878	-0.665832	-0.638878
0.28	2.306113	1.318329	C.260971	1.318329	-1.372836	-0.622155	-0.658324	-0.622155
0.29	2.212954	1.286079	C.240400	1.286079	-1.323067	-C.606570	-0.650767	-C.606570
0.30	2.127849	1.256561	C.220779	1.256561	-1.276485	-C.592005	-0.643210	-C.592005
0.31	2.049816	1.229456	C.202059	1.229456	-1.237664	-C.578360	-0.635692	-C.578360
0.32	1.978024	1.204489	C.184188	1.204489	-1.191625	-C.565543	-0.628240	-C.565543
0.33	1.911765	1.181425	C.167115	1.181425	-1.152825	-C.553477	-0.620877	-C.553477
0.34	1.850433	1.160060	C.150792	1.160060	-1.116151	-C.542091	-0.613618	-C.542091
0.35	1.793507	1.140219	C.135170	1.140219	-1.081417	-C.531325	-0.606477	-C.531325
0.36	1.740536	1.121747	C.120205	1.121747	-1.048459	-C.521124	-0.599460	-C.521124
0.37	1.691129	1.104511	C.103856	1.104511	-1.017133	-C.511440	-0.592575	-C.511440
0.38	1.644943	1.088354	C.092081	1.088354	-C.987310	-C.502230	-0.585826	-C.502230
0.39	1.601678	1.073291	C.078845	1.073291	-C.958875	-C.493455	-0.579213	-C.493455
0.40	1.561071	1.059113	C.066112	1.059113	-C.931726	-C.485081	-0.572738	-C.485081
0.41	1.522888	1.045777	C.053851	1.045777	-C.905770	-C.477076	-0.566400	-C.477076
0.42	1.486924	1.033213	C.042032	1.033213	-C.880924	-C.469414	-0.560200	-C.469414
0.43	1.452994	1.021356	C.030627	1.021356	-C.857113	-C.462069	-0.554135	-C.462069
0.44	1.420936	1.010150	C.019610	1.010150	-C.834270	-C.455018	-0.548203	-C.455018
0.45	1.390602	0.999543	C.008957	0.999543	-C.812333	-C.448240	-0.542401	-C.448240

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA= -0.1C

NYX=1

RY=1

EPSILON	A11	E11	A21	B21	A12	B12	A22	B22
0.48	1.308658	0.970879	-C.021028	0.970879	-C.751415	-C.429372	-0.525752	-0.429372
0.51	1.238298	0.946203	-C.048443	0.946203	-C.696888	-C.412369	-0.510174	-0.412369
0.54	1.177233	0.924759	-C.073706	0.924759	-C.647757	-C.396967	-0.495582	-0.396967
0.57	1.123863	0.905973	-C.097153	0.905973	-C.603234	-C.392857	-0.481893	-0.382857
0.60	1.076921	0.889407	-C.119058	0.889407	-C.562687	-C.369861	-0.469027	-0.369861
0.63	1.035414	0.874719	-C.139648	0.874719	-C.525601	-C.357825	-0.456913	-0.357825
0.66	0.998552	0.861639	-C.159106	0.861639	-C.491555	-C.346621	-0.445485	-0.346621
0.69	0.965702	0.849952	-C.177585	0.849952	-C.460193	-C.336146	-0.434683	-0.336146
0.72	0.936344	0.839485	-C.195213	0.839485	-C.431219	-C.326317	-0.424452	-0.326317
0.75	0.910055	0.830094	-C.212096	0.830094	-C.404382	-C.317063	-0.414745	-0.317063
0.78	0.886477	0.821666	-C.228324	0.821666	-C.379465	-C.308326	-0.405517	-0.308326
0.81	0.865314	0.814102	-C.243971	0.814102	-C.356284	-C.300056	-0.396729	-0.300056
0.84	0.846313	0.807321	-C.259101	0.807321	-C.334675	-C.292212	-0.388346	-0.292212
0.87	0.829258	0.801256	-C.273768	0.801256	-C.314500	-C.284758	-0.380337	-0.284758
0.90	0.813962	0.795847	-C.288017	0.795847	-C.295633	-C.277664	-0.372673	-0.277664
0.93	0.800263	0.791044	-C.301887	0.791044	-C.277967	-C.270901	-0.365328	-0.270901
0.96	0.788020	0.786803	-C.315409	0.786803	-C.261404	-C.264447	-0.358280	-0.264447
0.99	0.777107	0.783086	-C.328613	0.783086	-C.245857	-C.258282	-0.351508	-0.258282
1.02	0.767413	0.779858	-C.341521	0.779858	-C.231250	-C.252386	-0.344993	-0.252386
1.05	0.758628	0.777087	-C.354154	0.777087	-C.217512	-C.246744	-0.338718	-0.246744
1.08	0.751254	0.774747	-C.366528	0.774747	-C.204582	-C.241342	-0.332669	-0.241342
1.11	0.744699	0.772812	-C.378659	0.772812	-C.192401	-C.236165	-0.326831	-0.236165
1.14	0.738981	0.771257	-C.390560	0.771257	-C.180918	-C.231202	-0.321193	-0.231202
1.17	0.734072	0.770062	-C.402239	0.770062	-C.170085	-C.226442	-0.315742	-0.226442
1.20	0.729911	0.769207	-C.413798	0.769207	-C.159860	-0.221874	-0.310469	-0.221874
1.23	0.726442	0.768671	-C.424975	0.768671	-C.150202	-C.217489	-0.305364	-0.217489
1.26	0.723613	0.768437	-C.436045	0.768437	-C.141074	-C.213279	-0.300420	-0.213279
1.29	0.721375	0.768488	-C.446927	0.768488	-C.132443	-0.209235	-0.295627	-0.209235
1.32	0.719686	0.768807	-C.457624	0.768807	-C.124278	-C.205349	-0.290980	-0.205349
1.35	0.718502	0.769379	-C.468143	0.769379	-C.116549	-C.201614	-0.286471	-C.201614

γ = -0.10

TABLE 3

GAMMA = -0.1C

MY=1

NY=1

EPSILON	A13	B13	A23	B23	A14	B14	A24	B24
0.01	-17.636793	-0.038301	0.030763	-0.038301	-390.088154	-0.957375	1.775236	-1.957375
0.02	-9.373824	-0.088178	0.054250	-0.088178	-114.647760	-1.319818	1.837312	-2.319818
0.03	-6.611577	-0.148478	0.064358	-0.148478	-59.520473	-1.728160	1.806816	-2.728160
0.04	-5.204641	-0.213917	0.054661	-0.213917	-38.668183	-2.143403	1.652059	-3.143403
0.05	-4.324311	-0.274784	0.021968	-0.274784	-28.141402	-2.505219	1.366190	-3.505219
0.06	-3.699195	-0.315960	-0.030167	-0.319960	-21.828818	-2.753259	0.983121	-3.753259
0.07	-3.221535	-0.342617	-0.091859	-0.342617	-17.611851	-2.859616	0.568094	-3.859616
0.08	-2.843682	-0.343247	-0.152025	-0.343247	-14.609267	-2.839876	0.184331	-3.839876
0.09	-2.540449	-0.327481	-0.203276	-0.327481	-12.390528	-2.734540	-0.132262	-3.734540
0.10	-2.294977	-0.302031	-0.242947	-0.302031	-10.709659	-2.584596	-0.373932	-3.584596
0.11	-2.094377	-0.272230	-0.271516	-0.272230	-9.409782	-2.419538	-0.549067	-3.419538
0.12	-1.928570	-0.241511	-0.290791	-0.241511	-8.385159	-2.256636	-0.671316	-3.256636
0.13	-1.789789	-0.211785	-0.302810	-0.211785	-7.562759	-2.104407	-0.753869	-3.104407
0.14	-1.672145	-0.183974	-0.309368	-0.183974	-6.891414	-1.966167	-0.807482	-2.966167
0.15	-1.571195	-0.158427	-0.311901	-0.158427	-6.334796	-1.842463	-0.840288	-2.842463
0.16	-1.483566	-0.135181	-0.311500	-0.135181	-5.866748	-1.732525	-0.858223	-2.732525
0.17	-1.406769	-0.114123	-0.308980	-0.114123	-5.468151	-1.635047	-0.865555	-2.635047
0.18	-1.338751	-0.095075	-0.304940	-0.095075	-5.124817	-1.548586	-0.865332	-2.548586
0.19	-1.278137	-0.077835	-0.299821	-0.077835	-4.826059	-1.471745	-0.859737	-2.471745
0.20	-1.223619	-0.062208	-0.293947	-0.062208	-4.563707	-1.403259	-0.850334	-2.403259
0.21	-1.174296	-0.048011	-0.287558	-0.048011	-4.3350929	-1.342014	-0.838251	-2.342014
0.22	-1.129410	-0.035079	-0.280830	-0.035079	-4.124276	-1.287047	-0.824306	-2.287047
0.23	-1.088349	-0.023267	-0.273894	-0.023267	-3.938288	-1.237533	-0.809094	-2.237533
0.24	-1.050612	-0.012446	-0.266848	-0.012446	-3.770305	-1.192766	-0.793050	-2.192766
0.25	-1.015784	-0.002506	-0.259765	-0.002506	-3.617758	-1.152146	-0.776491	-2.152146
0.26	-0.983518	0.006651	-0.252696	0.006651	-3.478545	-1.115162	-0.759651	-2.115162
0.27	-0.953524	0.015109	-0.245683	0.015109	-3.350929	-1.081375	-0.742702	-2.081375
0.28	-0.925555	0.022943	-0.238753	0.022943	-3.233462	-1.050411	-0.725767	-2.050411
0.29	-0.899401	0.030215	-0.231929	0.030215	-3.124931	-1.021948	-0.708938	-2.021948
0.30	-0.874881	0.036984	-0.225224	0.036984	-3.024310	-0.995708	-0.692279	-1.995708
0.31	-0.851839	0.043257	-0.218650	0.043257	-2.930726	-0.971452	-0.675837	-1.971452
0.32	-0.830140	0.049157	-0.212213	0.049157	-2.843432	-0.948971	-0.659644	-1.948971
0.33	-0.809664	0.054724	-0.205917	0.054724	-2.761784	-0.928085	-0.643719	-1.928085
0.34	-0.790306	0.059910	-0.199764	0.059910	-2.685227	-0.908635	-0.628077	-1.908635
0.35	-0.771976	0.064786	-0.193756	0.064786	-2.613277	-0.890482	-0.612723	-1.890482
0.36	-0.754551	0.069377	-0.187891	0.069377	-2.545511	-0.873505	-0.597659	-1.873505
0.37	-0.738078	0.073708	-0.182169	0.073708	-2.481557	-0.857596	-0.582884	-1.857596
0.38	-0.722373	0.077799	-0.176585	0.077799	-2.421089	-0.842660	-0.568394	-1.842660
0.39	-0.707416	0.081669	-0.171139	0.081669	-2.363817	-0.828613	-0.554184	-1.828613
0.40	-0.693156	0.085335	-0.165928	0.085335	-2.309485	-0.815381	-0.540246	-1.815381
0.41	-0.679545	0.088813	-0.160647	0.088813	-2.257864	-0.802895	-0.526572	-1.802895
0.42	-0.666540	0.092115	-0.155593	0.092115	-2.208748	-0.791097	-0.513154	-1.791097
0.43	-0.654102	0.095255	-0.150664	0.095255	-2.161955	-0.779932	-0.499983	-1.779932
0.44	-0.642194	0.098243	-0.145856	0.098243	-2.117319	-0.769354	-0.487049	-1.769354
0.45	-0.630786	0.101090	-0.141164	0.101090	-2.074691	-0.759318	-0.474344	-1.759318

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA= -0.1C

MYY=1

NY=1

EPSILON	A13	B13	A23	B23	A14	B14	A24	B24
0.48	-0.599264	0.108874	-C.127756	0.108874	-1.557572	-C.732092	-0.437511	-1.732092
0.51	-0.571289	0.115676	-C.115279	0.115676	-1.854356	-C.708547	-0.402416	-1.708547
0.54	-C.546319	C.121660	-C.103647	0.121660	-1.762738	-C.688027	-0.368844	-1.688027
0.57	-C.523922	0.126954	-C.092784	0.126954	-1.660923	-C.670035	-0.336598	-1.670035
0.60	-C.503743	C.131659	-C.082620	0.131659	-1.607533	-C.654185	-0.305508	-1.654185
0.63	-C.485493	C.135858	-C.073094	0.135858	-1.541415	-C.640177	-0.275423	-1.640177
0.66	-C.468931	C.139616	-C.064145	0.139616	-1.481669	-C.627776	-0.246213	-1.627776
0.69	-C.453854	C.142951	-C.055738	0.142951	-1.427550	-C.616794	-0.217763	-1.616794
0.72	-C.440089	C.146027	-C.047816	0.146027	-1.378439	-C.607079	-0.189976	-1.607079
0.75	-C.427468	0.148764	-C.040343	0.148764	-1.333821	-C.598510	-0.162767	-1.598510
0.78	-C.415927	0.151236	-C.033286	0.151236	-1.293258	-C.590988	-0.136060	-1.590988
0.81	-C.405254	C.153470	-C.026612	0.153470	-1.256379	-C.584432	-C.109794	-1.584432
0.84	-C.395454	C.155493	-C.020233	0.155493	-1.222864	-C.578774	-C.083913	-1.578774
0.87	-C.386444	0.157325	-C.014304	0.157325	-1.192436	-C.573960	-C.058371	-1.573960
0.90	-C.378069	C.158985	-C.008621	0.158985	-1.164852	-C.569941	-0.033128	-1.569941
0.93	-C.370306	0.160451	-C.003225	0.160451	-1.139900	-C.566677	-0.008149	-1.566677
0.96	-C.363056	0.161857	C.001905	0.161857	-1.117389	-C.564135	0.016592	-1.564135
0.99	-C.356388	0.163057	C.006786	0.163057	-1.097150	-C.562283	0.041121	-1.562283
1.02	-C.350137	0.164222	C.011432	0.164222	-1.079033	-C.561096	0.065457	-1.561096
1.05	-C.344301	C.165243	C.015860	C.165243	-1.062898	-C.560549	0.089616	-1.560549
1.08	-C.338845	C.166170	C.020082	0.166170	-1.048620	-C.560620	0.113612	-1.560620
1.11	-C.333736	C.167012	C.024111	C.167012	-1.036084	-C.561288	0.137454	-1.561288
1.14	-C.328943	0.167776	C.027958	0.167776	-1.025184	-C.562535	0.161152	-1.562535
1.17	-C.324441	0.168470	C.031633	0.168470	-1.015822	-C.564341	0.184711	-1.564341
1.20	-C.320205	0.169100	C.035147	0.169100	-1.007907	-C.566689	0.208137	-1.566689
1.23	-C.316213	C.169672	C.038509	C.169672	-1.001353	-C.569561	0.231433	-1.569561
1.26	-C.312447	0.170192	C.041727	0.170192	-0.996080	-C.572940	0.254601	-1.572940
1.29	-C.308867	C.170664	C.044809	C.170664	-0.992015	-C.576809	0.277642	-1.576809
1.32	-C.305519	C.171093	C.047763	0.171093	-0.989086	-C.581152	0.300559	-1.581152
1.35	-C.302327	C.171482	C.050596	C.171482	-0.987228	-C.585951	0.323351	-1.585951

γ = -0.10

CHARACTERISTIC COEFFICIENTS

TABLE 2-1

GAMMA = -0.05

DISPLACEMENT C

R(Y)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.01	-1000.360619	19.586331	19.586331	17.986317	0.680358	0.680358	0.680358	17.986317	0.680358	0.680358	-23.017780	21.721526
0.02	-251.404226	19.788917	1.404209	17.788932	0.223338	0.223338	0.223338	17.788932	0.223338	0.223338	-8.864997	7.045380
0.03	-113.975468	19.068413	2.864368	17.068418	0.383503	0.383503	0.383503	17.068418	0.383503	0.383503	-5.511272	3.343493
0.04	-66.704469	17.748835	4.204463	15.748824	0.517683	0.517683	0.517683	15.748824	0.517683	0.517683	-4.193629	1.819980
0.05	-45.088212	16.146597	5.088209	14.146558	0.607612	0.607612	0.607612	14.146558	0.607612	0.607612	-3.527649	1.050788
0.06	-33.216021	14.583241	5.583241	12.583241	0.660432	0.660432	0.660432	12.583241	0.660432	0.660432	-3.130973	0.609370
0.07	-26.104007	13.193516	5.693516	11.193516	0.698694	0.698694	0.698694	11.193516	0.698694	0.698694	-2.867893	0.330903
0.08	-21.305421	12.001116	5.684500	10.001116	0.731851	0.731851	0.731851	10.001116	0.731851	0.731851	-2.680551	0.142118
0.09	-17.914786	10.988460	5.569106	8.988460	0.758831	0.758831	0.758831	8.988460	0.758831	0.758831	-2.540405	0.006823
0.10	-15.407635	10.127916	5.401634	8.127916	0.794152	0.794152	0.794152	8.127916	0.794152	0.794152	-2.431742	-0.094461
0.11	-13.487066	9.392709	5.222602	7.392710	0.826568	0.826568	0.826568	7.392710	0.826568	0.826568	-2.345171	-0.172983
0.12	-11.973706	8.766084	5.029261	6.766084	0.851775	0.851775	0.851775	6.766084	0.851775	0.851775	-2.274719	-0.235616
0.13	-10.753433	8.211556	4.836273	6.211556	0.871078	0.871078	0.871078	6.211556	0.871078	0.871078	-2.216403	-0.286769
0.14	-9.750489	7.732358	4.648448	5.732357	0.873573	0.873573	0.873573	5.732357	0.873573	0.873573	-2.167457	-0.329382
0.15	-8.912775	7.310723	4.468330	5.310723	0.863503	0.863503	0.863503	5.310723	0.863503	0.863503	-2.125903	-0.365480
0.16	-8.203382	6.937257	4.297132	4.937257	0.853105	0.853105	0.853105	4.937257	0.853105	0.853105	-2.090285	-0.396503
0.17	-7.595482	6.604409	4.135274	4.604409	0.842514	0.842514	0.842514	4.604409	0.842514	0.842514	-2.059509	-0.423496
0.18	-7.069141	6.306073	3.982720	4.306073	0.831819	0.831819	0.831819	4.306073	0.831819	0.831819	-2.032738	-0.447236
0.19	-6.609258	6.037271	3.839175	4.037271	0.821078	0.821078	0.821078	4.037271	0.821078	0.821078	-2.009319	-0.468311
0.20	-6.204200	5.793913	3.704200	3.793913	0.810327	0.810327	0.810327	3.793913	0.810327	0.810327	-1.988735	-0.487174
0.21	-5.844867	5.572614	3.577293	3.572614	0.800587	0.800587	0.800587	3.572614	0.800587	0.800587	-1.970572	-0.504179
0.22	-5.524044	5.370555	3.457928	3.370555	0.791873	0.791873	0.791873	3.370555	0.791873	0.791873	-1.954495	-0.519605
0.23	-5.235943	5.185366	3.345584	3.185366	0.784190	0.784190	0.784190	3.185366	0.784190	0.784190	-1.940230	-0.533677
0.24	-4.975868	5.015047	3.239756	3.015047	0.777540	0.777540	0.777540	3.015047	0.777540	0.777540	-1.927550	-0.546577
0.25	-4.739971	4.857857	3.139971	2.857857	0.771897	0.771897	0.771897	2.857857	0.771897	0.771897	-1.916266	-0.558453
0.26	-4.525072	4.712463	3.045782	2.712463	0.767143	0.767143	0.767143	2.712463	0.767143	0.767143	-1.906218	-0.569428
0.27	-4.328519	4.577494	2.956777	2.577494	0.763281	0.763281	0.763281	2.577494	0.763281	0.763281	-1.897272	-0.579604
0.28	-4.148086	4.451911	2.872575	2.451911	0.760083	0.760083	0.760083	2.451911	0.760083	0.760083	-1.889315	-0.589067
0.29	-3.981888	4.334775	2.792828	2.334775	0.757431	0.757431	0.757431	2.334775	0.757431	0.757431	-1.882246	-0.597889
0.30	-3.828323	4.225270	2.717212	2.225270	0.755229	0.755229	0.755229	2.225270	0.755229	0.755229	-1.875983	-0.606132
0.31	-3.686017	4.122677	2.645434	2.122677	0.753537	0.753537	0.753537	2.122677	0.753537	0.753537	-1.870452	-0.613848
0.32	-3.553786	4.026368	2.577224	2.026368	0.752248	0.752248	0.752248	2.026368	0.752248	0.752248	-1.865590	-0.621082
0.33	-3.430608	3.935785	2.512334	1.935785	0.751266	0.751266	0.751266	1.935785	0.751266	0.751266	-1.861340	-0.627874
0.34	-3.315552	3.850436	2.450539	1.850436	0.750466	0.750466	0.750466	1.850436	0.750466	0.750466	-1.857655	-0.634257
0.35	-3.207958	3.769883	2.391631	1.769883	0.750019	0.750019	0.750019	1.769883	0.750019	0.750019	-1.854491	-0.640262
0.36	-3.107024	3.693734	2.335419	1.693734	0.750019	0.750019	0.750019	1.693734	0.750019	0.750019	-1.851810	-0.645914
0.37	-3.012189	3.621640	2.281729	1.621640	0.750019	0.750019	0.750019	1.621640	0.750019	0.750019	-1.849579	-0.651236
0.38	-2.922919	3.553287	2.230398	1.553287	0.750019	0.750019	0.750019	1.553287	0.750019	0.750019	-1.847768	-0.656249
0.39	-2.838743	3.488352	2.181280	1.488352	0.750019	0.750019	0.750019	1.488352	0.750019	0.750019	-1.846351	-0.660970
0.40	-2.759239	3.426700	2.134239	1.426700	0.750019	0.750019	0.750019	1.426700	0.750019	0.750019	-1.845303	-0.665416
0.41	-2.684031	3.367982	2.089147	1.367982	0.750019	0.750019	0.750019	1.367982	0.750019	0.750019	-1.844604	-0.669600
0.42	-2.612784	3.312027	2.045890	1.312027	0.750019	0.750019	0.750019	1.312027	0.750019	0.750019	-1.844234	-0.673536
0.43	-2.545193	3.258646	2.004360	1.258646	0.750019	0.750019	0.750019	1.258646	0.750019	0.750019	-1.844176	-0.677236
0.44	-2.480986	3.207666	1.964457	1.207666	0.750019	0.750019	0.750019	1.207666	0.750019	0.750019	-1.844415	-0.680709
0.45	-2.419917	3.158929	1.926089	1.158929	0.750019	0.750019	0.750019	1.158929	0.750019	0.750019	-1.844936	-0.683965

CHARACTERISTIC COEFFICIENTS

TABLE 2.1

GAMMA = -0.05

DISPLACEMENT L

R(Y)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.48	-2.253403	3.024752	1.819375	1.024752	0.312927	1.266573	-1.848075	-0.692517				
0.51	-2.108210	2.906309	1.723743	0.906308	0.279943	1.273435	-1.853367	-0.699387				
0.54	-1.980507	2.800895	1.637571	0.800894	0.246508	1.279435	-1.860599	-0.704728				
0.57	-1.867324	2.706505	1.559537	0.706505	0.212591	1.284722	-1.869611	-0.708661				
0.60	-1.766326	2.621500	1.488548	0.621500	0.178167	1.289420	-1.880280	-0.711286				
0.63	-1.675653	2.544548	1.423701	0.544548	0.143218	1.293625	-1.892513	-0.712687				
0.66	-1.593804	2.474559	1.364235	0.474559	0.107727	1.297417	-1.906239	-0.712937				
0.69	-1.519552	2.410629	1.309512	0.410629	0.071684	1.300862	-1.921402	-0.712099				
0.72	-1.451851	2.352005	1.258990	0.352005	0.035078	1.304013	-1.937963	-0.710232				
0.75	-1.389983	2.298054	1.212205	0.298054	-0.002097	1.306915	-1.955889	-0.707389				
0.78	-1.333124	2.248239	1.168758	0.248239	-0.039847	1.309605	-1.975159	-0.703620				
0.81	-1.280723	2.202102	1.128307	0.202102	-0.078176	1.312116	-1.995754	-0.698975				
0.84	-1.232277	2.159252	1.090554	0.159251	-0.117087	1.314472	-2.017661	-0.693500				
0.87	-1.187355	2.119348	1.055237	0.119348	-0.156581	1.316699	-2.040870	-0.687241				
0.90	-1.145586	2.082058	1.022129	0.082058	-0.196659	1.318813	-2.065374	-0.680244				
0.93	-1.106650	2.047246	0.991030	0.047246	-0.237320	1.320832	-2.091165	-0.672552				
0.96	-1.070270	2.014567	0.961763	0.014567	-0.278565	1.322771	-2.118239	-0.664210				
0.99	-1.036201	1.983864	0.934171	-0.016136	-0.320393	1.324640	-2.146589	-0.655263				
1.02	-1.004231	1.954964	0.908114	-0.045036	-0.362800	1.326451	-2.176209	-0.645752				
1.05	-0.974172	1.927713	0.883469	-0.072287	-0.405787	1.328212	-2.207052	-0.635722				
1.08	-0.945857	1.901972	0.860123	-0.098028	-0.449350	1.329932	-2.239231	-0.625213				
1.11	-0.919140	1.877621	0.837978	-0.122379	-0.493488	1.331618	-2.272616	-0.614269				
1.14	-0.893889	1.854549	0.816942	-0.145451	-0.538197	1.333274	-2.307238	-0.602928				
1.17	-0.869986	1.832659	0.796934	-0.167341	-0.583474	1.334907	-2.343083	-0.591231				
1.20	-0.847326	1.811862	0.777882	-0.188138	-0.629318	1.336521	-2.380140	-0.579215				
1.23	-0.825816	1.792078	0.759718	-0.207922	-0.675724	1.338119	-2.418394	-0.566918				
1.26	-0.805370	1.773235	0.742382	-0.226765	-0.722690	1.339705	-2.457830	-0.554375				
1.29	-0.785911	1.755267	0.725818	-0.244733	-0.770211	1.341282	-2.498430	-0.541618				
1.32	-0.767369	1.738115	0.709976	-0.261885	-0.818286	1.342853	-2.540176	-0.528681				
1.35	-0.749680	1.721724	0.694811	-0.278276	-0.866911	1.344420	-2.583049	-0.515594				

$\gamma = -0.05$

TABLE 2-2

GAMMA = -0.05

N (XY)

M (YY)

EPSILON	REAL F-1	IMAG F-1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL F-2	IMAG F-2	IMAG H2
0.01	C.304030	-C.447079	-2.256666	2.216456	-C.199863	-C.003604	0.179863	-IC.003603	
0.02	C.022307	-C.629505	-1.642625	1.530503	-C.395779	-C.028084	0.355779	-5.028084	
0.03	C.056648	-C.758460	-1.408802	1.213536	-C.572052	-C.085931	0.512052	-3.419264	
0.04	C.099121	-C.848350	-1.298343	1.027532	-C.709873	-C.168178	0.625873	-2.668179	
0.05	C.139888	-C.909338	-1.238971	0.907952	-C.807328	-C.025440	0.707328	-2.254410	
0.06	C.174602	-C.951576	-1.202457	0.831159	-C.875011	-C.032294	0.755011	-1.998961	
0.07	C.202964	-C.982216	-1.177231	0.776093	-C.923553	-C.0398709	0.783553	-1.827280	
0.08	C.225962	-1.005559	-1.158225	0.735756	-C.960089	-C.045436	0.800089	-1.704436	
0.09	C.244705	-1.024130	-1.142990	0.705312	-C.988961	-C.0501219	0.808961	-1.612331	
0.10	C.260120	-1.039449	-1.130220	0.681621	-1.012792	-C.0546763	0.812792	-1.540763	
0.11	C.272924	-1.052466	-1.119158	0.662810	-1.033198	-C.0574486	0.813198	-1.483577	
0.12	C.283658	-1.063801	-1.109332	0.647617	-1.051210	-C.0603511	0.811210	-1.436845	
0.13	C.292734	-1.073869	-1.100434	0.633179	-1.067502	-C.0628715	0.807502	-1.397946	
0.14	C.300464	-1.082963	-1.092252	0.624887	-1.082530	-C.0650783	0.802530	-1.365068	
0.15	C.307091	-1.091290	-1.084634	0.616298	-1.106608	-C.0670250	0.796608	-1.336916	
0.16	C.312802	-1.099002	-1.077471	0.608084	-1.109961	-C.0687541	0.789961	-1.312541	
0.17	C.317748	-1.106216	-1.070679	0.602997	-1.122749	-C.0702997	0.782749	-1.291232	
0.18	C.322048	-1.112017	-1.064195	0.597844	-1.135093	-C.0716890	0.775093	-1.272445	
0.19	C.325757	-1.118475	-1.057928	0.593477	-1.147081	-C.0729443	0.767081	-1.2595759	
0.20	C.329074	-1.125043	-1.051959	0.589776	-1.158782	-C.0740840	0.758782	-1.240840	
0.21	C.331944	-1.131523	-1.046136	0.586645	-1.170249	-C.0751231	0.750249	-1.227422	
0.22	C.334460	-1.137271	-1.040474	0.584008	-1.181522	-C.0760744	0.741522	-1.215290	
0.23	C.336668	-1.142794	-1.034951	0.581759	-1.192634	-C.0769484	0.732634	-1.204267	
0.24	C.338604	-1.148157	-1.029549	0.579966	-1.203611	-C.0777542	0.723611	-1.194208	
0.25	C.340302	-1.153377	-1.024254	0.578466	-1.214474	-C.0784993	0.714474	-1.184993	
0.26	C.341788	-1.158473	-1.019053	0.577260	-1.225240	-C.0791903	0.705240	-1.176519	
0.27	C.343085	-1.163456	-1.013936	0.576318	-1.235923	-C.0798330	0.695923	-1.168700	
0.28	C.344215	-1.168340	-1.008893	0.575613	-1.246535	-C.0804321	0.686535	-1.161464	
0.29	C.345155	-1.173134	-1.003917	0.575121	-1.257085	-C.0809920	0.677085	-1.154747	
0.30	C.346040	-1.177847	-C.999001	0.574823	-1.267581	-C.0815163	0.667581	-1.148457	
0.31	C.346763	-1.182486	-C.994138	0.574701	-1.278030	-C.0820084	0.658030	-1.142665	
0.32	C.347376	-1.187058	-C.989325	0.574741	-1.288438	-C.0824711	0.648438	-1.137211	
0.33	C.347850	-1.191569	-C.984557	0.574929	-1.298809	-C.0829070	0.638809	-1.132101	
0.34	C.348314	-1.196023	-C.979829	0.575254	-1.309148	-C.0833183	0.629148	-1.127301	
0.35	C.348656	-1.200425	-C.975139	0.575705	-1.319459	-C.0837071	0.619459	-1.122785	
0.36	C.348923	-1.204779	-C.970483	0.576274	-1.329744	-C.0840751	0.609744	-1.118529	
0.37	C.349122	-1.209088	-C.965858	0.576953	-1.340007	-C.0844239	0.600007	-1.114510	
0.38	C.349259	-1.213355	-C.961263	0.577734	-1.350249	-C.0847551	0.590249	-1.110709	
0.39	C.349339	-1.217584	-C.956695	0.578612	-1.360473	-C.0850699	0.580473	-1.107110	
0.40	C.349367	-1.221776	-C.952152	0.579580	-1.370680	-C.0853695	0.570680	-1.103695	
0.41	C.349346	-1.225934	-C.947632	0.580633	-1.380872	-C.0856550	0.560872	-1.100453	
0.42	C.349281	-1.230060	-C.943135	0.581767	-1.391051	-C.0859274	0.551051	-1.097369	
0.43	C.349176	-1.234156	-C.938659	0.582977	-1.401218	-C.0861874	0.541218	-1.094433	
0.44	C.349033	-1.238223	-C.934202	0.584260	-1.411373	-C.0864361	0.531373	-1.091634	
0.45	C.348855	-1.242263	-C.929763	0.585613	-1.421518	-C.0866740	0.521518	-1.088962	



CHARACTERISTIC COEFFICIENTS

TABLE 2.2

GAMMA = -0.05

N(XY)

M(YY)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.48	C.348141	-1.254234	-C.916551	C.590056	-1.451900	-C.873300	C.491900	-1.081633				
0.51	C.347198	-1.266003	-C.903479	C.595026	-1.482217	-C.879109	C.462217	-1.075187				
0.54	C.346075	-1.277556	-C.890531	C.600463	-1.512483	-C.884288	C.432483	-1.069474				
0.57	C.344808	-1.285031	-C.877701	C.606342	-1.542708	-C.888936	C.402708	-1.064374				
0.60	C.343426	-1.300323	-C.864982	C.612612	-1.572900	-C.893129	C.372900	-1.059796				
0.63	C.341952	-1.311486	-C.852371	C.619250	-1.603065	-C.896931	C.343065	-1.055661				
0.66	C.340406	-1.322520	-C.839868	C.626235	-1.633268	-C.900395	C.313209	-1.051910				
0.69	C.338804	-1.333462	-C.827476	C.633548	-1.663333	-C.903563	C.283334	-1.048491				
0.72	C.337156	-1.344291	-C.815196	C.641172	-1.693443	-C.906473	C.253443	-1.045362				
0.75	C.335476	-1.355022	-C.803033	C.649093	-1.723540	-C.909193	C.223540	-1.042487				
0.78	C.333769	-1.365660	-C.790992	C.657299	-1.753626	-C.911631	C.193626	-1.039837				
0.81	C.332045	-1.376211	-C.779078	C.665778	-1.783762	-C.913929	C.163703	-1.037386				
0.84	C.330309	-1.386678	-C.767298	C.674518	-1.813771	-C.916065	C.133771	-1.035112				
0.87	C.328566	-1.397064	-C.755657	C.683510	-1.843832	-C.918056	C.103833	-1.032998				
0.90	C.326820	-1.407373	-C.744164	C.692742	-1.873863	-C.919916	C.073888	-1.031027				
0.93	C.325075	-1.417608	-C.732823	C.702205	-1.903938	-C.921658	C.043938	-1.029185				
0.96	C.323334	-1.427770	-C.721643	C.711888	-1.933984	-C.923292	C.013984	-1.027459				
0.99	C.321558	-1.437863	-C.710630	C.721782	-1.964025	-C.924829	C.0015974	-1.025839				
1.02	C.319871	-1.447888	-C.699789	C.731875	-1.994063	-C.926276	C.0045937	-1.024316				
1.05	C.318155	-1.457848	-C.689127	C.742157	-2.024098	-C.927642	C.0075902	-1.022880				
1.08	C.316449	-1.467743	-C.678648	C.752618	-2.054130	-C.928933	C.0105870	-1.021526				
1.11	C.314757	-1.477576	-C.668359	C.763246	-2.084159	-C.930155	C.0135841	-1.020245				
1.14	C.313078	-1.487348	-C.658263	C.774031	-2.114186	-C.931313	C.0165814	-1.019033				
1.17	C.311415	-1.497060	-C.648365	C.784962	-2.144211	-C.932413	C.0195789	-1.017883				
1.20	C.309766	-1.506715	-C.638666	C.796028	-2.174234	-C.933458	C.0225766	-1.016731				
1.23	C.308133	-1.516312	-C.629170	C.807217	-2.204255	-C.934453	C.0255744	-1.015754				
1.26	C.306517	-1.525853	-C.619879	C.818519	-2.234275	-C.935401	C.0285724	-1.014766				
1.29	C.304918	-1.535340	-C.610793	C.829924	-2.264294	-C.936305	C.0315706	-1.013825				
1.32	C.303335	-1.544773	-C.601914	C.841421	-2.294311	-C.937169	C.0345688	-1.012926				
1.35	C.301770	-1.554153	-C.593241	C.852999	-2.324327	-C.937994	C.0375672	-1.012068				

Y = -0.05

TABLE 2-3

GAMMA = -0.05

DISPLACEMENT V

N(XX)

EPSILON	REAL F1	IMAG F1	REAL F2	IMAG F2	REAL H1	IMAG H1	REAL F1	IMAG F1	REAL F2	IMAG H2
0.01	447.312405	-4.009756	44.303741	-45.111987	-0.003604	0.199863	10.003603	0.179863		
0.02	158.656992	-5.590248	30.356650	-32.593631	-0.028084	0.395779	5.028084	0.355779		
0.03	87.412742	-6.489185	23.387608	-27.175543	-0.039593	0.572052	3.419264	0.512052		
0.04	58.149557	-6.747025	18.721263	-23.694276	-0.168178	0.709873	2.668179	0.629873		
0.05	42.975372	-6.556725	15.315904	-20.594144	-0.254410	0.807328	2.254410	0.707328		
0.06	33.999843	-6.157135	12.932532	-18.781302	-0.332294	0.875011	1.988961	0.755011		
0.07	27.311663	-5.696370	11.111443	-16.544788	-0.398709	0.923553	1.827280	0.783553		
0.08	23.683750	-5.242486	9.725340	-15.409619	-0.454436	0.960089	1.704436	0.800089		
0.09	20.546588	-4.821512	8.61745	-14.115732	-0.501219	0.98961	1.612331	0.808961		
0.10	18.129684	-4.440716	7.760822	-13.015215	-0.546763	1.012791	1.540763	0.812792		
0.11	16.212330	-4.095637	7.050335	-12.070454	-0.574486	1.033198	1.483577	0.813198		
0.12	14.655150	-3.794943	6.463807	-11.232301	-0.603511	1.051210	1.436845	0.811210		
0.13	13.366114	-3.522507	5.964375	-10.537812	-0.628715	1.067502	1.397946	0.807502		
0.14	12.281784	-3.278200	5.540926	-9.969126	-0.650785	1.082530	1.365068	0.802530		
0.15	11.357252	-3.059508	5.175639	-9.502089	-0.670250	1.096608	1.336916	0.796608		
0.16	10.559922	-2.860020	4.857380	-8.855408	-0.687541	1.109961	1.312541	0.789961		
0.17	9.865225	-2.680018	4.577648	-8.463988	-0.702997	1.122749	1.291232	0.782749		
0.18	9.254838	-2.516133	4.323344	-8.008439	-0.716890	1.135093	1.272445	0.775093		
0.19	8.714231	-2.366349	4.10777	-7.644704	-0.729443	1.147081	1.255759	0.767081		
0.20	8.232133	-2.228350	3.910312	-7.313776	-0.740046	1.159782	1.240840	0.758782		
0.21	7.795746	-2.102471	3.731113	-7.011485	-0.7491231	1.170249	1.227422	0.750249		
0.22	7.409653	-1.985661	3.568468	-6.734330	-0.760744	1.181522	1.215290	0.741522		
0.23	7.056017	-1.877445	3.420144	-6.475356	-0.769484	1.192634	1.204267	0.732634		
0.24	6.733954	-1.776856	3.284289	-6.244048	-0.777542	1.203611	1.194203	0.723611		
0.25	6.439522	-1.683214	3.159356	-6.026257	-0.784993	1.214474	1.184993	0.714474		
0.26	6.169253	-1.595701	3.044942	-5.824123	-0.791903	1.225240	1.176519	0.705240		
0.27	5.920344	-1.513751	2.937241	-5.636077	-0.798330	1.235923	1.168700	0.695923		
0.28	5.690301	-1.436832	2.848010	-5.450699	-0.804321	1.246535	1.161464	0.686535		
0.29	5.477243	-1.364478	2.743540	-5.296787	-0.809920	1.257085	1.154747	0.677085		
0.30	5.279211	-1.296277	2.659131	-5.143278	-0.815163	1.267581	1.148497	0.667581		
0.31	5.094730	-1.231864	2.578178	-4.993234	-0.820084	1.278030	1.142665	0.658030		
0.32	4.922464	-1.170917	2.502152	-4.863631	-0.824711	1.288438	1.137211	0.648438		
0.33	4.761247	-1.113147	2.430591	-4.736333	-0.829070	1.298809	1.132101	0.638809		
0.34	4.610057	-1.058257	2.363058	-4.616088	-0.833183	1.309149	1.127301	0.629149		
0.35	4.467953	-1.006128	2.293284	-4.502514	-0.837071	1.319459	1.122785	0.619459		
0.36	4.334200	-0.956462	2.228862	-4.395088	-0.840751	1.329744	1.118529	0.609744		
0.37	4.208152	-0.909082	2.161540	-4.293343	-0.844239	1.340067	1.114510	0.600067		
0.38	4.089039	-0.863832	2.127064	-4.196855	-0.847551	1.350249	1.110709	0.590249		
0.39	3.976361	-0.820558	2.075211	-4.105244	-0.850659	1.360473	1.107110	0.580473		
0.40	3.869613	-0.775123	2.025777	-4.018164	-0.853695	1.370680	1.103695	0.570680		
0.41	3.768345	-0.733400	1.978580	-3.935304	-0.856550	1.380872	1.100453	0.560872		
0.42	3.672147	-0.701276	1.933450	-3.856377	-0.859274	1.391051	1.097369	0.551051		
0.43	3.580653	-0.664646	1.893260	-3.781125	-0.861874	1.401218	1.094433	0.541218		
0.44	3.493329	-0.629415	1.848853	-3.709310	-0.864361	1.411373	1.091634	0.531373		
0.45	3.410472	-0.595495	1.809115	-3.640716	-0.866740	1.421518	1.088962	0.521518		

CHARACTERISTIC COEFFICIENTS

TABLE 2.3

EPSILON	REAL P-1		DISPLACEMENT V		REAL H2		IMAG P-2		REAL H1		IMAG H1		REAL P-2		IMAG H2	
	REAL P-1	IMAG P-1	REAL H2	IMAG P-2	REAL H2	IMAG P-2	REAL H1	IMAG H1	REAL P-2	IMAG H1	REAL P-2	IMAG H2				
0.48	3.183066	-0.500828	1.698845	-3.452347	-0.873300	1.451900	1.081633	0.491900								
0.51	2.983670	-0.415422	1.600115	-3.286695	-0.879109	1.482217	1.075187	0.462217								
0.54	2.807457	-0.337815	1.510973	-3.140160	-0.884288	1.512483	1.069474	0.432483								
0.57	2.650646	-0.266839	1.429889	-3.009875	-0.888936	1.542708	1.064374	0.402708								
0.60	2.510234	-0.201549	1.355647	-2.893528	-0.893129	1.572900	1.059796	0.372900								
0.63	2.383806	-0.141174	1.287272	-2.789233	-0.896931	1.603065	1.055661	0.343065								
0.66	2.269355	-0.085077	1.223972	-2.695433	-0.900395	1.633288	1.051910	0.313289								
0.69	2.165388	-0.032728	1.165098	-2.610838	-0.903563	1.663333	1.048491	0.283334								
0.72	2.070445	0.016318	1.110116	-2.534363	-0.906473	1.693443	1.045362	0.253443								
0.75	1.983446	0.062426	1.058579	-2.465092	-0.909153	1.723540	1.042487	0.223540								
0.78	1.903449	0.105946	1.010115	-2.402244	-0.911631	1.753626	1.039837	0.193626								
0.81	1.829652	0.147123	0.964438	-2.345150	-0.913929	1.783762	1.037386	0.163762								
0.84	1.761373	0.186202	0.921191	-2.293233	-0.916065	1.813771	1.035112	0.133771								
0.87	1.698024	0.223387	0.880237	-2.245992	-0.918056	1.843832	1.032998	0.103833								
0.90	1.639098	0.258858	0.841350	-2.202988	-0.919916	1.873888	1.031027	0.073888								
0.93	1.584155	0.292768	0.804364	-2.163836	-0.921638	1.903938	1.029185	0.043938								
0.96	1.532809	0.325256	0.769131	-2.128196	-0.923292	1.933954	1.027459	0.013954								
0.99	1.484726	0.356442	0.735525	-2.095766	-0.924829	1.964025	1.025839	-0.015974								
1.02	1.439609	0.386422	0.703430	-2.066277	-0.926276	1.994063	1.024316	-0.045937								
1.05	1.397156	0.415321	0.672765	-2.039487	-0.927692	2.024098	1.022880	-0.075902								
1.08	1.357255	0.443156	0.643426	-2.015179	-0.928933	2.054120	1.021526	-0.105870								
1.11	1.319579	0.470120	0.615342	-1.993157	-0.930155	2.084159	1.020245	-0.135841								
1.14	1.283986	0.496153	0.588444	-1.973242	-0.931313	2.114186	1.019033	-0.165814								
1.17	1.250309	0.521445	0.562668	-1.955272	-0.932413	2.144211	1.017883	-0.195789								
1.20	1.218400	0.545943	0.537959	-1.939099	-0.933458	2.174234	1.016791	-0.225766								
1.23	1.188127	0.569736	0.514265	-1.924588	-0.934453	2.204255	1.015754	-0.255744								
1.26	1.159369	0.592870	0.491537	-1.911614	-0.935401	2.234275	1.014766	-0.285724								
1.29	1.132017	0.615387	0.469732	-1.900063	-0.936305	2.264294	1.013825	-0.315706								
1.32	1.105971	0.637323	0.448807	-1.889831	-0.937169	2.294311	1.012926	-0.345688								
1.35	1.081143	0.658714	0.428725	-1.880820	-0.937954	2.324327	1.012068	-0.375672								

γ = -0.05

TABLE 3

GAMMA = -0.05

NYX=1

RY=1

EPSILON	A11	B11	A21	E21	A12	B12	A22	E22
0.01	290.064523	5.874566	-4.531191	5.874586	-28.521069	-0.576833	0.401341	-0.576833
0.02	70.966377	5.752023	-2.800120	5.752023	-13.393869	-1.077196	0.408969	-1.077196
0.03	33.385343	5.621383	-1.183228	5.621383	-8.946527	-1.174441	0.117441	-1.477241
0.04	19.751878	4.530716	0.057250	4.530716	-6.639778	-1.598191	-0.286345	-1.598191
0.05	13.276052	4.077546	0.690337	4.077546	-5.240764	-1.519796	-0.591160	-1.519796
0.06	9.760527	3.364748	0.922485	3.364748	-4.345368	-1.381837	-0.769302	-1.381837
0.07	7.652554	2.834880	0.966274	2.834880	-3.739490	-1.247659	-0.863177	-1.247659
0.08	6.283516	2.448650	0.932806	2.448650	-3.305858	-1.133308	-0.908899	-1.133308
0.09	5.336578	2.163639	0.871130	2.163639	-2.979785	-1.039168	-0.927806	-1.039168
0.10	4.648360	1.948569	0.801954	1.948569	-2.724639	-0.961927	-0.931622	-0.961927
0.11	4.128145	1.782488	0.733791	1.782488	-2.518367	-0.898068	-0.926823	-0.898068
0.12	3.722292	1.651415	0.663908	1.651415	-2.347173	-0.844674	-0.917069	-0.844674
0.13	3.397376	1.545927	0.611312	1.545927	-2.202027	-0.799487	-0.904493	-0.799487
0.14	3.131623	1.455547	0.558042	1.455547	-2.076789	-0.760792	-0.890363	-0.760792
0.15	2.910309	1.387729	0.509746	1.387729	-1.967146	-0.727291	-0.875455	-0.727291
0.16	2.723159	1.327209	0.465938	1.327209	-1.869979	-0.697992	-0.860248	-0.697992
0.17	2.562805	1.275603	0.426117	1.275603	-1.782978	-0.672131	-0.845041	-0.672131
0.18	2.423831	1.231132	0.389812	1.231132	-1.704354	-0.649113	-0.830019	-0.649113
0.19	2.302181	1.192448	0.356598	1.192448	-1.632876	-0.628471	-0.815299	-0.628471
0.20	2.194755	1.158513	0.326103	1.158513	-1.567363	-0.609829	-0.800949	-0.609829
0.21	2.099149	1.128520	0.298002	1.128520	-1.507008	-0.592889	-0.787008	-0.592889
0.22	2.013469	1.101829	0.272017	1.101829	-1.451128	-0.577407	-0.773496	-0.577407
0.23	1.936206	1.077927	0.247906	1.077927	-1.399163	-0.563182	-0.760418	-0.563182
0.24	1.866142	1.056404	0.224469	1.056404	-1.350650	-0.550050	-0.747772	-0.550050
0.25	1.802284	1.036921	0.204498	1.036921	-1.305262	-0.537873	-0.735551	-0.537873
0.26	1.743814	1.019201	0.184864	1.019201	-1.262493	-0.526536	-0.723743	-0.526536
0.27	1.690054	1.003015	0.166422	1.003015	-1.222244	-0.515940	-0.712335	-0.515940
0.28	1.640436	0.988170	0.149053	0.988170	-1.184219	-0.506004	-0.701312	-0.506004
0.29	1.594479	0.974505	0.132653	0.974505	-1.148210	-0.496656	-0.690658	-0.496656
0.30	1.551777	0.961881	0.117131	0.961881	-1.114040	-0.487835	-0.680358	-0.487835
0.31	1.511982	0.950183	0.102406	0.950183	-1.081553	-0.479488	-0.670398	-0.479488
0.32	1.474794	0.939310	0.088408	0.939310	-1.050611	-0.471570	-0.660761	-0.471570
0.33	1.439956	0.929175	0.075073	0.929175	-1.021093	-0.464041	-0.651435	-0.464041
0.34	1.407243	0.919704	0.062344	0.919704	-0.992892	-0.456865	-0.642404	-0.456865
0.35	1.376458	0.910832	0.050173	0.910832	-0.965911	-0.450011	-0.633655	-0.450011
0.36	1.347430	0.902502	0.038513	0.902502	-0.940045	-0.443453	-0.625176	-0.443453
0.37	1.320008	0.894664	0.027326	0.894664	-0.915275	-0.437166	-0.616975	-0.437166
0.38	1.294056	0.887275	0.016574	0.887275	-0.891474	-0.431128	-0.608980	-0.431128
0.39	1.269458	0.880295	0.006225	0.880295	-0.868596	-0.425321	-0.601240	-0.425321
0.40	1.246106	0.873650	-0.003751	0.873650	-0.846586	-0.419728	-0.593725	-0.419728
0.41	1.223907	0.867430	-0.013380	0.867430	-0.825330	-0.414332	-0.586425	-0.414332
0.42	1.202775	0.861487	-0.021287	0.861487	-0.804962	-0.409120	-0.579331	-0.409120
0.43	1.182635	0.855838	-0.031693	0.855838	-0.785257	-0.404079	-0.572434	-0.404079
0.44	1.163418	0.850460	-0.040420	0.850460	-0.766235	-0.399199	-0.565726	-0.399199
0.45	1.145061	0.845333	-0.048884	0.845333	-0.747859	-0.394469	-0.559199	-0.394469

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA = -0.05

NYX=1

RY=1

EPSILON	A11	B11	A21	B21	A12	B12	A22	B22
0.48	1.094620	0.831254	-C.072872	0.831294	-0.696283	-0.381086	-0.540628	-0.381086
0.51	1.050179	0.818976	-C.095039	0.818976	-0.649438	-0.358760	-0.523436	-0.358760
0.54	1.010768	0.808083	-C.115688	0.808083	-0.606688	-0.337328	-0.507468	-0.337328
0.57	0.975631	0.798390	-0.135061	0.798390	-0.567514	-0.346662	-0.492589	-0.346662
0.60	0.94169	0.789722	-C.153352	0.789722	-0.531486	-0.336661	-0.478683	-0.336661
0.63	0.915902	0.781944	-0.170719	0.781944	-0.498247	-0.327244	-0.465650	-0.327244
0.66	0.890439	0.774947	-0.187288	0.774947	-0.467494	-0.318344	-0.453404	-0.318344
0.69	0.867458	0.768645	-C.203168	0.768645	-0.438971	-0.309909	-0.441867	-0.309909
0.72	0.846692	0.762969	-C.218444	0.762969	-0.412456	-0.301892	-0.430974	-0.301892
0.75	0.827915	0.757861	-C.233190	0.757861	-0.387759	-0.294256	-0.420664	-0.294256
0.78	0.810934	0.753275	-C.247467	0.753275	-0.364713	-0.286970	-0.410887	-0.286970
0.81	0.795586	0.749171	-C.261326	0.749171	-0.343175	-0.280006	-0.401597	-0.280006
0.84	0.781727	0.745517	-C.274811	0.745517	-0.323016	-0.273342	-0.392753	-0.273342
0.87	0.769232	0.742283	-C.287957	0.742283	-0.304123	-0.266957	-0.384318	-0.266957
0.90	0.757993	0.739447	-C.300795	0.739447	-0.286395	-0.260833	-0.376260	-0.260833
0.93	0.747911	0.736986	-C.313351	0.736986	-0.269742	-0.254956	-0.368551	-0.254956
0.96	0.738859	0.734882	-C.325646	0.734882	-0.254085	-0.249312	-0.361165	-0.249312
0.99	0.730878	0.733118	-C.337699	0.733118	-0.239350	-0.243888	-0.354078	-0.243888
1.02	0.723778	0.731677	-C.349525	0.731677	-0.225471	-0.238675	-0.347271	-0.238675
1.05	0.717533	0.730546	-C.361137	0.730546	-0.212350	-0.233660	-0.340723	-0.233660
1.08	0.712083	0.729710	-C.372546	0.729710	-0.200051	-0.228837	-0.334419	-0.228837
1.11	0.707374	0.729158	-C.383761	0.729158	-0.188406	-0.224195	-0.328343	-0.224195
1.14	0.703354	0.728876	-C.394790	0.728876	-0.177408	-0.219728	-0.322482	-0.219728
1.17	0.699976	0.728852	-C.405640	0.728852	-0.167016	-0.215427	-0.316822	-0.215427
1.20	0.697197	0.729076	-C.416316	0.729076	-0.157191	-0.211287	-0.311355	-0.211287
1.23	0.694975	0.729535	-C.426824	0.729535	-0.147898	-0.207301	-0.306067	-0.207301
1.26	0.693272	0.730220	-C.437168	0.730220	-0.139104	-0.203462	-0.300951	-0.203462
1.29	0.692051	0.731118	-C.447351	0.731118	-0.130777	-0.199765	-0.295998	-0.199765
1.32	0.691279	0.732221	-C.457377	0.732221	-0.122891	-0.196203	-0.291199	-0.196203
1.35	0.690925	0.733516	-C.467249	0.733516	-0.115418	-0.192772	-0.286548	-0.192772

87

Y = -0.05

TABLE 3

GAMMA= -0.05

MYY=1

NY=1

EPSILON	A13	B13	A23	B23	A14	B14	A24	B24
0.01	-10.627616	-0.113585	C.070079	-0.113585	-129.709995	-1.627340	2.026484	-2.627340
0.02	-6.085043	-0.283671	C.072963	-0.283671	-44.845861	-2.640552	1.771115	-3.640552
0.03	-4.439842	-0.433675	-C.038438	-0.433675	-25.782535	-3.365457	0.911795	-4.365457
0.04	-3.492846	-0.477014	-C.200827	-0.477014	-17.530961	-3.430552	-0.073525	-4.430552
0.05	-2.882588	-0.437256	-C.325302	-0.437256	-13.070044	-3.098589	-0.740245	-4.098589
0.06	-2.474951	-0.371597	-C.396570	-0.371597	-10.412329	-2.697452	-1.090707	-3.697452
0.07	-2.189558	-0.307375	-C.431316	-0.307375	-8.702616	-2.348936	-1.252426	-3.348936
0.08	-1.979345	-0.252167	-C.444899	-0.252167	-7.527240	-2.070476	-1.315469	-3.070476
0.09	-1.817357	-0.206300	-C.446634	-0.206300	-6.673868	-1.851575	-1.328210	-2.851575
0.10	-1.687944	-0.166365	-C.441785	-0.166365	-6.026515	-1.638461	-1.315317	-2.678461
0.11	-1.581355	-0.136750	-C.433264	-0.136750	-5.517869	-1.539740	-1.289468	-2.539740
0.12	-1.491479	-0.110242	-C.422733	-0.110242	-5.106674	-1.426903	-1.257321	-2.426903
0.13	-1.414227	-0.087671	-C.411156	-0.087671	-4.766431	-1.333769	-1.222451	-2.333769
0.14	-1.346781	-0.068273	-C.399114	-0.068273	-4.479414	-1.255841	-1.186801	-2.255841
0.15	-1.287131	-0.051433	-C.386947	-0.051433	-4.233357	-1.189826	-1.151433	-2.189826
0.16	-1.233810	-0.036675	-C.374865	-0.036675	-4.019512	-1.133275	-1.116912	-2.133275
0.17	-1.185715	-0.023632	-C.362995	-0.023632	-3.831480	-1.084343	-1.083529	-2.084343
0.18	-1.142003	-0.012016	-C.351411	-0.012016	-3.664477	-1.041622	-1.051413	-2.041622
0.19	-1.102015	-0.001559	-C.340156	-0.001559	-3.514851	-1.004017	-1.020600	-2.004017
0.20	-1.065227	-0.007803	-C.329290	-0.007803	-3.379769	-0.970674	-0.991076	-1.970674
0.21	-1.031219	-0.016336	-C.318702	-0.016336	-3.256998	-0.940912	-0.962796	-1.940912
0.22	-0.999646	-0.024121	-C.308510	-0.024121	-3.144754	-0.914186	-0.935702	-1.914186
0.23	-0.970225	-0.031256	-C.298670	-0.031256	-3.041593	-0.890053	-0.909727	-1.890053
0.24	-0.942717	-0.037826	-C.289171	-0.037826	-2.946333	-0.868151	-0.884804	-1.868151
0.25	-0.916922	-0.043857	-C.280002	-0.043857	-2.857999	-0.848182	-0.860866	-1.848182
0.26	-0.892670	-0.049528	-C.271151	-0.049528	-2.775776	-0.829898	-0.837848	-1.829898
0.27	-0.869814	-0.054768	-C.262604	-0.054768	-2.698978	-0.813090	-0.815690	-1.813090
0.28	-0.848227	-0.059658	-C.254349	-0.059658	-2.627025	-0.797583	-0.794334	-1.797583
0.29	-0.827759	-0.064236	-C.246373	-0.064236	-2.559420	-0.783227	-0.773727	-1.783227
0.30	-0.808434	-0.068531	-C.238663	-0.068531	-2.495736	-0.769896	-0.753820	-1.769896
0.31	-0.790047	-0.072570	-C.231207	-0.072570	-2.435666	-0.757480	-0.734567	-1.757480
0.32	-0.772562	-0.076378	-C.223993	-0.076378	-2.378706	-0.745886	-0.715926	-1.745886
0.33	-0.755912	-0.079974	-C.217010	-0.079974	-2.324759	-0.735030	-0.697858	-1.735030
0.34	-0.740037	-0.083377	-C.210248	-0.083377	-2.273515	-0.724842	-0.680326	-1.724842
0.35	-0.724883	-0.086602	-C.203697	-0.086602	-2.224759	-0.715260	-0.663298	-1.715260
0.36	-0.710402	-0.089665	-C.197346	-0.089665	-2.178296	-0.706229	-0.646742	-1.706229
0.37	-0.696550	-0.092576	-C.191186	-0.092576	-2.133954	-0.697701	-0.630630	-1.697701
0.38	-0.683286	-0.095348	-C.185214	-0.095348	-2.091581	-0.689633	-0.614936	-1.689633
0.39	-0.670575	-0.097950	-C.179414	-0.097950	-2.051039	-0.681988	-0.599635	-1.681988
0.40	-0.658383	-0.100513	-C.173783	-0.100513	-2.012033	-0.674731	-0.584704	-1.674731
0.41	-0.646680	-0.102923	-C.168313	-0.102923	-1.974962	-0.667833	-0.570122	-1.667833
0.42	-0.635437	-0.105228	-C.162996	-0.105228	-1.939214	-0.661268	-0.555870	-1.661268
0.43	-0.624630	-0.107435	-C.157878	-0.107435	-1.904868	-0.655010	-0.541928	-1.655010
0.44	-0.614235	-0.109550	-C.152801	-0.109550	-1.871841	-0.649039	-0.528281	-1.649039
0.45	-0.604228	-0.111579	-C.147908	-0.111579	-1.840054	-0.643335	-0.514912	-1.643335

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA = -0.05

NY=1

MY=1

EPSILON	A13	B13	A23	B23	A14	B14	A24	B24
0.48	-0.576351	0.117195	-0.133995	0.117195	-1.751474	-0.627657	-0.476328	-1.627657
0.51	-0.551326	0.122142	-0.121122	0.122142	-1.671871	-0.613839	-0.439763	-1.613839
0.54	-0.528768	0.126661	-0.109179	0.126661	-1.599988	-0.601587	-0.404924	-1.601587
0.57	-0.508355	0.130675	-0.098068	0.130675	-1.534821	-0.590676	-0.371566	-1.590676
0.60	-0.489822	0.134293	-0.087705	0.134293	-1.475559	-0.580933	-0.339484	-1.580933
0.63	-0.472946	0.137562	-0.078017	0.137562	-1.421538	-0.572223	-0.308506	-1.572223
0.66	-0.457536	0.140522	-0.068943	0.140522	-1.372204	-0.564441	-0.278484	-1.564441
0.69	-0.443428	0.143209	-0.060426	0.143209	-1.327098	-0.557506	-0.249293	-1.557506
0.72	-0.430484	0.145650	-0.052418	0.145650	-1.285826	-0.551350	-0.220827	-1.551350
0.75	-0.418581	0.147871	-0.044877	0.147871	-1.248055	-0.545923	-0.192995	-1.545923
0.78	-0.407614	0.149852	-0.037764	0.149852	-1.213458	-0.541181	-0.165717	-1.541181
0.81	-0.397489	0.151734	-0.031046	0.151734	-1.181903	-0.537092	-0.138928	-1.537092
0.84	-0.388124	0.153413	-0.024692	0.153413	-1.153052	-0.533627	-0.112568	-1.533627
0.87	-0.379447	0.154943	-0.018676	0.154943	-1.126751	-0.530765	-0.086590	-1.530765
0.90	-0.371394	0.156339	-0.012974	0.156339	-1.102829	-0.528487	-0.060951	-1.528487
0.93	-0.363908	0.157611	-0.007562	0.157611	-1.081131	-0.526776	-0.035616	-1.526776
0.96	-0.356937	0.158772	-0.002422	0.158772	-1.061517	-0.525618	-0.010555	-1.525618
0.99	-0.350436	0.159830	0.002465	0.159830	-1.043862	-0.525002	0.014259	-1.525002
1.02	-0.344364	0.160794	0.007115	0.160794	-1.028051	-0.524917	0.038845	-1.524917
1.05	-0.338683	0.161673	0.011543	0.161673	-1.013976	-0.525350	0.063222	-1.525350
1.08	-0.333362	0.162475	0.015763	0.162475	-1.001539	-0.526292	0.087404	-1.526292
1.11	-0.328369	0.163205	0.019788	0.163205	-0.990649	-0.527734	0.111402	-1.527734
1.14	-0.323678	0.163870	0.023630	0.163870	-0.981220	-0.529663	0.135226	-1.529663
1.17	-0.319263	0.164476	0.027299	0.164476	-0.973172	-0.532071	0.158884	-1.532071
1.20	-0.315104	0.165028	0.030806	0.165028	-0.966430	-0.534946	0.182382	-1.534946
1.23	-0.311178	0.165531	0.034160	0.165531	-0.960927	-0.538277	0.205723	-1.538277
1.26	-0.307469	0.165989	0.037370	0.165989	-0.956581	-0.542053	0.228912	-1.542053
1.29	-0.303960	0.166406	0.040443	0.166406	-0.953343	-0.546262	0.251952	-1.546262
1.32	-0.300635	0.166786	0.043388	0.166786	-0.951148	-0.550893	0.274844	-1.550893
1.35	-0.297481	0.167132	0.046211	0.167132	-0.949938	-0.555931	0.297589	-1.555931

$\gamma = -0.05$

CHARACTERISTIC COEFFICIENTS

TABLE 2.1

GAMMA = -0.

R(Y)

EPSILON	REAL F1		DISPLACEMENT L		REAL F2		IMAG F2		REAL F1		IMAG F1		REAL F2		IMAG F2	
	REAL F1	IMAG F1	REAL F1	IMAG F1	REAL F2	IMAG F2	REAL F2	IMAG F2	REAL F1	IMAG F1	REAL F1	IMAG F1	REAL F2	IMAG F2	REAL F2	IMAG F2
0.01	-100.00000	101.00000	100.00000	99.00000	100.00000	99.00000	0.638052	1.551518	-1.555670	-0.649039						
0.02	-50.00000	51.00000	50.00000	49.00000	50.00000	49.00000	0.632414	1.549303	-1.558406	-0.654387						
0.03	-33.33333	34.33333	33.33333	32.33333	33.33333	32.33333	0.626678	1.547126	-1.560784	-0.659636						
0.04	-25.00000	26.00000	25.00000	24.00000	25.00000	24.00000	0.620846	1.544987	-1.563204	-0.664788						
0.05	-20.00000	21.00000	20.00000	19.00000	20.00000	19.00000	0.614919	1.542887	-1.565667	-0.669842						
0.06	-16.66667	17.66667	16.66667	15.66667	16.66667	15.66667	0.608895	1.540824	-1.568173	-0.674758						
0.07	-14.28571	15.28571	14.28571	13.28571	14.28571	13.28571	0.602776	1.538797	-1.570724	-0.679655						
0.08	-12.50000	13.50000	12.50000	11.50000	12.50000	11.50000	0.596562	1.536806	-1.573319	-0.684413						
0.09	-11.11111	12.11111	11.11111	10.11111	11.11111	10.11111	0.590233	1.534851	-1.575960	-0.689072						
0.10	-10.00000	11.00000	10.00000	9.00000	10.00000	9.00000	0.583849	1.532932	-1.578647	-0.693622						
0.11	-9.09090	10.09090	9.09090	8.09090	9.09090	8.09090	0.577350	1.531046	-1.581381	-0.698053						
0.12	-8.33333	9.33333	8.33333	7.33333	8.33333	7.33333	0.570758	1.529195	-1.584162	-0.702453						
0.13	-7.69230	8.69230	7.69230	6.69230	7.69230	6.69230	0.564072	1.527377	-1.586992	-0.706714						
0.14	-7.14285	8.14285	7.14285	6.14285	7.14285	6.14285	0.557292	1.525592	-1.589870	-0.710876						
0.15	-6.66667	7.66667	6.66667	5.66667	6.66667	5.66667	0.550419	1.523839	-1.592759	-0.714926						
0.16	-6.25000	7.25000	6.25000	5.25000	6.25000	5.25000	0.543453	1.522119	-1.595778	-0.718857						
0.17	-5.88235	6.88235	5.88235	4.88235	5.88235	4.88235	0.536354	1.520420	-1.598809	-0.722757						
0.18	-5.55556	6.55556	5.55556	4.55556	5.55556	4.55556	0.529244	1.518771	-1.601852	-0.726516						
0.19	-5.26315	6.26315	5.26315	4.26315	5.26315	4.26315	0.522001	1.517144	-1.605027	-0.730174						
0.20	-5.00000	6.00000	5.00000	4.00000	5.00000	4.00000	0.514666	1.515546	-1.608217	-0.733732						
0.21	-4.76190	5.76190	4.76190	3.76190	4.76190	3.76190	0.507242	1.513979	-1.611461	-0.737188						
0.22	-4.54545	5.54545	4.54545	3.54545	4.54545	3.54545	0.499722	1.512440	-1.614761	-0.740543						
0.23	-4.34782	5.34782	4.34782	3.34782	4.34782	3.34782	0.492114	1.510930	-1.618116	-0.743757						
0.24	-4.16667	5.16667	4.16667	3.16667	4.16667	3.16667	0.484415	1.509448	-1.621529	-0.746949						
0.25	-4.00000	5.00000	4.00000	3.00000	4.00000	3.00000	0.476620	1.507995	-1.625000	-0.750000						
0.26	-3.84615	4.84615	3.84615	2.84615	3.84615	2.84615	0.468747	1.506568	-1.628529	-0.752949						
0.27	-3.70370	4.70370	3.70370	2.70370	3.70370	2.70370	0.460779	1.505169	-1.632119	-0.755757						
0.28	-3.57142	4.57142	3.57142	2.57142	3.57142	2.57142	0.452721	1.503796	-1.635768	-0.758543						
0.29	-3.44827	4.44827	3.44827	2.44827	3.44827	2.44827	0.444574	1.502450	-1.639480	-0.761187						
0.30	-3.33333	4.33333	3.33333	2.33333	3.33333	2.33333	0.436338	1.501130	-1.643253	-0.763729						
0.31	-3.22587	4.22587	3.22587	2.22587	3.22587	2.22587	0.428014	1.499835	-1.647090	-0.766109						
0.32	-3.12500	4.12500	3.12500	2.12500	3.12500	2.12500	0.419601	1.498565	-1.650951	-0.768508						
0.33	-3.03030	4.03030	3.03030	2.03030	3.03030	2.03030	0.411101	1.497320	-1.654958	-0.770745						
0.34	-2.94177	3.94177	2.94177	1.94177	3.94177	1.94177	0.402513	1.496099	-1.658950	-0.772860						
0.35	-2.85714	3.85714	2.85714	1.85714	3.85714	1.85714	0.393838	1.494902	-1.663089	-0.774913						
0.36	-2.77778	3.77778	2.77778	1.77778	3.77778	1.77778	0.385076	1.493729	-1.667256	-0.776845						
0.37	-2.70270	3.70270	2.70270	1.70270	3.70270	1.70270	0.376228	1.492580	-1.671453	-0.778675						
0.38	-2.63159	3.63159	2.63159	1.63159	3.63159	1.63159	0.367253	1.491453	-1.675759	-0.780404						
0.39	-2.56410	3.56410	2.56410	1.56410	3.56410	1.56410	0.358272	1.490349	-1.680176	-0.782031						
0.40	-2.50000	3.50000	2.50000	1.50000	3.50000	1.50000	0.349165	1.489267	-1.684625	-0.783557						
0.41	-2.43902	3.43902	2.43902	1.43902	3.43902	1.43902	0.339973	1.488207	-1.689147	-0.784982						
0.42	-2.38095	3.38095	2.38095	1.38095	3.38095	1.38095	0.330695	1.487169	-1.693743	-0.786306						
0.43	-2.32582	3.32582	2.32582	1.32582	3.32582	1.32582	0.321333	1.486152	-1.698414	-0.787529						
0.44	-2.27278	3.27278	2.27278	1.27278	3.27278	1.27278	0.311886	1.485156	-1.703160	-0.788651						
0.45	-2.22223	3.22223	2.22223	1.22223	3.22223	1.22223	0.302355	1.484181	-1.707984	-0.789674						



CHARACTERISTIC COEFFICIENTS

TABLE 2.1

GAMMA = -0.

DISPLACEMENT L

R (Y)

EPSILON	REAL F1	IMAG F1	REAL H2	IMAG H2	REAL H1	IMAG H1	IMAG H1	REAL F2	IMAG H2
0.48	-2.083334	3.683334	2.083334	1.683334	0.273259	1.481377	-1.722927	-0.792140	
0.51	-1.960785	2.960785	1.960785	0.960785	0.243415	1.478749	-1.738600	-0.793713	
0.54	-1.851852	2.851852	1.851852	0.851852	0.212831	1.476290	-1.755032	-0.794401	
0.57	-1.754386	2.754386	1.754386	0.754386	0.181514	1.473993	-1.772251	-0.794216	
0.60	-1.666667	2.666667	1.666667	0.666667	0.149472	1.471850	-1.790284	-0.793170	
0.63	-1.587302	2.587302	1.587302	0.587302	0.116712	1.469855	-1.809162	-0.791278	
0.66	-1.515152	2.515152	1.515152	0.515152	0.083242	1.468003	-1.828911	-0.788556	
0.69	-1.449276	2.449276	1.449276	0.449276	0.049070	1.466287	-1.849560	-0.785025	
0.72	-1.388889	2.388889	1.388889	0.388889	0.014201	1.464703	-1.871135	-0.780703	
0.75	-1.333334	2.333334	1.333334	0.333334	-0.021357	1.463243	-1.893661	-0.775614	
0.78	-1.282051	2.282051	1.282051	0.282051	-0.035796	1.461905	-1.917164	-0.769783	
0.81	-1.234568	2.234568	1.234568	0.234568	-0.049451	1.460682	-1.941667	-0.763236	
0.84	-1.190476	2.190476	1.190476	0.190476	-0.063209	1.459570	-1.967151	-0.756002	
0.87	-1.149425	2.149425	1.149425	0.149425	-0.077033	1.458565	-1.993758	-0.748110	
0.90	-1.111111	2.111111	1.111111	0.111111	-0.090923	1.457663	-2.021385	-0.739592	
0.93	-1.075269	2.075269	1.075269	0.075269	-0.104879	1.456859	-2.050087	-0.730481	
0.96	-1.041667	2.041667	1.041667	0.041667	-0.118981	1.456150	-2.079881	-0.720811	
0.99	-1.010101	2.010101	1.010101	0.010101	-0.133239	1.455533	-2.110775	-0.710616	
1.02	-0.980392	1.980392	0.980392	-0.019608	-0.147720	1.455003	-2.142781	-0.699931	
1.05	-0.952381	1.952381	0.952381	-0.047619	-0.162558	1.454558	-2.175905	-0.688754	
1.08	-0.925926	1.925926	0.925926	-0.074074	-0.177819	1.454194	-2.210150	-0.677239	
1.11	-0.900901	1.900901	0.900901	-0.099099	-0.193598	1.453908	-2.245519	-0.665303	
1.14	-0.877193	1.877193	0.877193	-0.122807	-0.209904	1.453697	-2.282012	-0.653020	
1.17	-0.854701	1.854701	0.854701	-0.145299	-0.226733	1.453559	-2.319625	-0.640427	
1.20	-0.833334	1.833334	0.833334	-0.166666	-0.245198	1.453491	-2.358352	-0.627557	
1.23	-0.813008	1.813008	0.813008	-0.186992	-0.265176	1.453490	-2.398188	-0.614443	
1.26	-0.793651	1.793651	0.793651	-0.206349	-0.286691	1.453555	-2.439122	-0.601118	
1.29	-0.775154	1.775154	0.775154	-0.224806	-0.309867	1.453682	-2.481144	-0.587612	
1.32	-0.757576	1.757576	0.757576	-0.242424	-0.334931	1.453869	-2.524240	-0.573955	
1.35	-0.740741	1.740741	0.740741	-0.259259	-0.361736	1.454114	-2.568398	-0.560174	

TABLE 2.2

GAMMA = -0.

N (XY)

M (YY)

EPSILON	REAL F1	IMAG F1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL F2	IMAG H2
0.01	0.453488	-1.102566	-1.094797	0.456706	-1.010000	-1.000000	0.950000	-1.000000
0.02	0.451899	-1.106442	-1.090904	0.458335	-1.020000	-1.000000	0.980000	-1.000000
0.03	0.450324	-1.110312	-1.087005	0.459979	-1.030000	-1.000000	0.970000	-1.000000
0.04	0.448762	-1.114176	-1.083102	0.461637	-1.040000	-1.000000	0.960000	-1.000000
0.05	0.447214	-1.118034	-1.079192	0.463310	-1.050000	-1.000000	0.950000	-1.000000
0.06	0.445678	-1.121886	-1.075277	0.464956	-1.060000	-1.000000	0.940000	-1.000000
0.07	0.444155	-1.125733	-1.071357	0.466698	-1.070000	-1.000000	0.930000	-1.000000
0.08	0.442645	-1.129573	-1.067432	0.468414	-1.080000	-1.000000	0.920000	-1.000000
0.09	0.441148	-1.133407	-1.063502	0.470145	-1.090000	-1.000000	0.910000	-1.000000
0.10	0.439663	-1.137235	-1.059567	0.471891	-1.100000	-1.000000	0.900000	-1.000000
0.11	0.438190	-1.141057	-1.055626	0.473653	-1.110000	-1.000000	0.890000	-1.000000
0.12	0.436730	-1.144872	-1.051681	0.475429	-1.120000	-1.000000	0.880000	-1.000000
0.13	0.435282	-1.148682	-1.047731	0.477222	-1.130000	-1.000000	0.870000	-1.000000
0.14	0.433845	-1.152485	-1.043777	0.479030	-1.140000	-1.000000	0.860000	-1.000000
0.15	0.432421	-1.156282	-1.039817	0.480854	-1.150000	-1.000000	0.850000	-1.000000
0.16	0.431008	-1.160072	-1.035854	0.482694	-1.160000	-1.000000	0.840000	-1.000000
0.17	0.429606	-1.163856	-1.031886	0.484550	-1.170000	-1.000000	0.830000	-1.000000
0.18	0.428216	-1.167634	-1.027914	0.486422	-1.180000	-1.000000	0.820000	-1.000000
0.19	0.426838	-1.171405	-1.023937	0.488311	-1.190000	-1.000000	0.810000	-1.000000
0.20	0.425470	-1.175170	-1.019957	0.490217	-1.200000	-1.000000	0.800000	-1.000000
0.21	0.424114	-1.178929	-1.015973	0.492139	-1.210000	-1.000000	0.790000	-1.000000
0.22	0.422768	-1.182681	-1.011985	0.494078	-1.220000	-1.000000	0.780000	-1.000000
0.23	0.421434	-1.186426	-1.007993	0.496035	-1.230000	-1.000000	0.770000	-1.000000
0.24	0.420110	-1.190165	-1.003998	0.498009	-1.240000	-1.000000	0.760000	-1.000000
0.25	0.418797	-1.193897	-1.000000	0.500000	-1.250000	-1.000000	0.750000	-1.000000
0.26	0.417494	-1.197623	-0.995998	0.502009	-1.260000	-1.000000	0.740000	-1.000000
0.27	0.416201	-1.201342	-0.991994	0.504035	-1.270000	-1.000000	0.730000	-1.000000
0.28	0.414919	-1.205055	-0.987986	0.506080	-1.280000	-1.000000	0.720000	-1.000000
0.29	0.413647	-1.208761	-0.983976	0.508142	-1.290000	-1.000000	0.710000	-1.000000
0.30	0.412385	-1.212461	-0.979963	0.510223	-1.300000	-1.000000	0.700000	-1.000000
0.31	0.411132	-1.216154	-0.975948	0.512322	-1.310000	-1.000000	0.690000	-1.000000
0.32	0.409890	-1.219840	-0.971930	0.514440	-1.320000	-1.000000	0.680000	-1.000000
0.33	0.408657	-1.223520	-0.967911	0.516577	-1.330000	-1.000000	0.670000	-1.000000
0.34	0.407434	-1.227193	-0.963889	0.518732	-1.340000	-1.000000	0.660000	-1.000000
0.35	0.406220	-1.230859	-0.959866	0.520906	-1.350000	-1.000000	0.650000	-1.000000
0.36	0.405016	-1.234519	-0.955841	0.523099	-1.360000	-1.000000	0.640000	-1.000000
0.37	0.403821	-1.238173	-0.951815	0.525312	-1.370000	-1.000000	0.630000	-1.000000
0.38	0.402635	-1.241819	-0.947788	0.527544	-1.380000	-1.000000	0.620000	-1.000000
0.39	0.401458	-1.245459	-0.943760	0.529796	-1.390000	-1.000000	0.610000	-1.000000
0.40	0.400291	-1.249093	-0.939731	0.532067	-1.400000	-1.000000	0.600000	-1.000000
0.41	0.399132	-1.252719	-0.935702	0.534358	-1.410000	-1.000000	0.590000	-1.000000
0.42	0.397982	-1.256340	-0.931673	0.536669	-1.420000	-1.000000	0.580000	-1.000000
0.43	0.396840	-1.259953	-0.927643	0.539000	-1.430000	-1.000000	0.570000	-1.000000
0.44	0.395707	-1.263560	-0.923614	0.541352	-1.440000	-1.000000	0.560000	-1.000000
0.45	0.394583	-1.267160	-0.919584	0.543724	-1.450000	-1.000000	0.550000	-1.000000

CHARACTERISTIC COEFFICIENTS

TABLE 2.2

GAMMA = -0.

M (YY)

N (XY)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.48	C.391260	-1.277922	-C.907502	0.550963	-1.480000	-1.000000	0.520000	-1.000000	0.520000	-1.000000	0.520000	-1.000000
0.51	C.388011	-1.288624	-C.899432	C.559390	-1.510000	-1.000000	C.490000	-1.000000	C.490000	-1.000000	C.490000	-1.000000
0.54	C.384832	-1.299267	-C.883332	C.566007	-1.540000	-1.000000	0.460000	-1.000000	0.460000	-1.000000	0.460000	-1.000000
0.57	C.381723	-1.309852	-C.871358	C.573817	-1.570000	-1.000000	0.430000	-1.000000	0.430000	-1.000000	0.430000	-1.000000
0.60	C.378679	-1.320378	-C.859370	C.581822	-1.600000	-1.000000	0.400000	-1.000000	0.400000	-1.000000	0.400000	-1.000000
0.63	C.375701	-1.330846	-C.847424	C.590023	-1.630000	-1.000000	0.370000	-1.000000	0.370000	-1.000000	0.370000	-1.000000
0.66	C.372785	-1.341256	-C.835530	C.598423	-1.660000	-1.000000	0.340000	-1.000000	0.340000	-1.000000	0.340000	-1.000000
0.69	C.369929	-1.351609	-C.823695	C.607021	-1.690000	-1.000000	0.310000	-1.000000	0.310000	-1.000000	0.310000	-1.000000
0.72	C.367133	-1.361905	-C.811930	C.615817	-1.720000	-1.000000	0.280000	-1.000000	0.280000	-1.000000	0.280000	-1.000000
0.75	C.364393	-1.372145	-C.800243	C.624810	-1.750000	-1.000000	0.250000	-1.000000	0.250000	-1.000000	0.250000	-1.000000
0.78	C.361708	-1.382329	-C.788643	C.634001	-1.780000	-1.000000	0.220000	-1.000000	0.220000	-1.000000	0.220000	-1.000000
0.81	C.359078	-1.392457	-C.777139	C.643366	-1.810000	-1.000000	0.190000	-1.000000	0.190000	-1.000000	0.190000	-1.000000
0.84	C.356459	-1.402530	-C.765741	C.652962	-1.840000	-1.000000	0.160000	-1.000000	0.160000	-1.000000	0.160000	-1.000000
0.87	C.353970	-1.412549	-C.754456	C.662727	-1.870000	-1.000000	0.130000	-1.000000	0.130000	-1.000000	0.130000	-1.000000
0.90	C.351490	-1.422514	-C.743299	C.672677	-1.900000	-1.000000	0.100000	-1.000000	0.100000	-1.000000	0.100000	-1.000000
0.93	C.349058	-1.432425	-C.732273	C.682806	-1.930000	-1.000000	0.070000	-1.000000	0.070000	-1.000000	0.070000	-1.000000
0.96	C.346672	-1.442283	-C.721387	C.693109	-1.960000	-1.000000	0.040000	-1.000000	0.040000	-1.000000	0.040000	-1.000000
0.99	C.344321	-1.452090	-C.710651	C.703580	-1.990000	-1.000000	0.010000	-1.000000	0.010000	-1.000000	0.010000	-1.000000
1.02	C.342034	-1.461844	-C.700071	C.714213	-2.020000	-1.000000	-0.020000	-1.000000	-0.020000	-1.000000	-0.020000	-1.000000
1.05	C.339779	-1.471547	-C.689655	C.725000	-2.050000	-1.000000	-0.050000	-1.000000	-0.050000	-1.000000	-0.050000	-1.000000
1.08	C.337564	-1.481199	-C.679410	C.735933	-2.080000	-1.000000	-0.080000	-1.000000	-0.080000	-1.000000	-0.080000	-1.000000
1.11	C.335390	-1.490801	-C.669340	C.747005	-2.110000	-1.000000	-0.110000	-1.000000	-0.110000	-1.000000	-0.110000	-1.000000
1.14	C.333255	-1.500353	-C.659452	C.758206	-2.140000	-1.000000	-0.140000	-1.000000	-0.140000	-1.000000	-0.140000	-1.000000
1.17	C.331157	-1.509856	-C.649749	C.769528	-2.170000	-1.000000	-0.170000	-1.000000	-0.170000	-1.000000	-0.170000	-1.000000
1.20	C.329097	-1.519310	-C.640236	C.780962	-2.200000	-1.000000	-0.200000	-1.000000	-0.200000	-1.000000	-0.200000	-1.000000
1.23	C.327072	-1.528717	-C.630916	C.792499	-2.230000	-1.000000	-0.230000	-1.000000	-0.230000	-1.000000	-0.230000	-1.000000
1.26	C.325081	-1.538076	-C.621791	C.804129	-2.260000	-1.000000	-0.260000	-1.000000	-0.260000	-1.000000	-0.260000	-1.000000
1.29	C.323125	-1.547388	-C.612803	C.815843	-2.290000	-1.000000	-0.290000	-1.000000	-0.290000	-1.000000	-0.290000	-1.000000
1.32	C.321202	-1.556654	-C.604133	C.827633	-2.320000	-1.000000	-0.320000	-1.000000	-0.320000	-1.000000	-0.320000	-1.000000
1.35	C.319311	-1.565873	-C.595601	C.839488	-2.350000	-1.000000	-0.350000	-1.000000	-0.350000	-1.000000	-0.350000	-1.000000

CHARACTERISTIC COEFFICIENTS

TABLE 2.3

GAMMA = -0.

DISPLACEMENT V

N(XX)

EPSILON	REAL F1	IMAG F1	REAL F2	IMAG F2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.01	155.151857	-63.805234	64.903908	-155.606968	-1.000000	1.010000	1.000000	0.990000
0.02	77.465137	-31.620677	32.719327	-77.520309	-1.000000	1.020000	1.000000	0.980000
0.03	51.570864	-20.889272	21.987880	-52.026139	-1.000000	1.030000	1.000000	0.970000
0.04	38.624688	-15.521162	16.619709	-39.030108	-1.000000	1.040000	1.000000	0.960000
0.05	30.857738	-12.298374	13.396845	-31.313344	-1.000000	1.050000	1.000000	0.950000
0.06	25.680354	-10.148253	11.246630	-26.136225	-1.000000	1.060000	1.000000	0.940000
0.07	21.982814	-8.611087	9.709354	-22.438913	-1.000000	1.070000	1.000000	0.930000
0.08	19.210081	-7.457023	8.555162	-19.666490	-1.000000	1.080000	1.000000	0.920000
0.09	17.053906	-6.558362	7.656357	-17.510665	-1.000000	1.090000	1.000000	0.910000
0.10	15.329316	-5.838486	6.936321	-15.786468	-1.000000	1.100000	1.000000	0.900000
0.11	13.918602	-5.248639	6.346296	-14.376187	-1.000000	1.110000	1.000000	0.890000
0.12	12.743250	-4.756316	5.853779	-13.201349	-1.000000	1.120000	1.000000	0.880000
0.13	11.749053	-4.339013	5.436266	-12.207628	-1.000000	1.130000	1.000000	0.870000
0.14	10.897085	-3.980657	5.077683	-11.356218	-1.000000	1.140000	1.000000	0.860000
0.15	10.158928	-3.669460	4.766243	-10.618661	-1.000000	1.150000	1.000000	0.850000
0.16	9.513242	-3.396582	4.493105	-9.973615	-1.000000	1.160000	1.000000	0.840000
0.17	8.943704	-3.155262	4.251510	-9.404759	-1.000000	1.170000	1.000000	0.830000
0.18	8.437619	-2.940242	4.036200	-8.899359	-1.000000	1.180000	1.000000	0.820000
0.19	7.984968	-2.747372	3.843023	-8.447514	-1.000000	1.190000	1.000000	0.810000
0.20	7.577732	-2.573329	3.668659	-8.041086	-1.000000	1.200000	1.000000	0.800000
0.21	7.209422	-2.415427	3.510419	-7.673625	-1.000000	1.210000	1.000000	0.790000
0.22	6.874727	-2.271465	3.366105	-7.339822	-1.000000	1.220000	1.000000	0.780000
0.23	6.569261	-2.139627	3.233900	-7.035289	-1.000000	1.230000	1.000000	0.770000
0.24	6.289368	-2.018358	3.112239	-6.756372	-1.000000	1.240000	1.000000	0.760000
0.25	6.031978	-1.906506	3.000000	-6.500000	-1.000000	1.250000	1.000000	0.750000
0.26	5.794494	-1.802875	2.895958	-6.263575	-1.000000	1.260000	1.000000	0.740000
0.27	5.574701	-1.706588	2.799247	-6.044885	-1.000000	1.270000	1.000000	0.730000
0.28	5.370702	-1.616860	2.709080	-5.842031	-1.000000	1.280000	1.000000	0.720000
0.29	5.180863	-1.533013	2.624781	-5.653379	-1.000000	1.290000	1.000000	0.710000
0.30	5.003766	-1.454460	2.545763	-5.477512	-1.000000	1.300000	1.000000	0.700000
0.31	4.838178	-1.380690	2.471514	-5.313195	-1.000000	1.310000	1.000000	0.690000
0.32	4.683016	-1.311255	2.401587	-5.159348	-1.000000	1.320000	1.000000	0.680000
0.33	4.537334	-1.245761	2.335590	-5.015023	-1.000000	1.330000	1.000000	0.670000
0.34	4.400252	-1.183863	2.273176	-4.879382	-1.000000	1.340000	1.000000	0.660000
0.35	4.271151	-1.125253	2.214038	-4.751684	-1.000000	1.350000	1.000000	0.650000
0.36	4.149249	-1.069657	2.157903	-4.631268	-1.000000	1.360000	1.000000	0.640000
0.37	4.033400	-1.016832	2.104528	-4.517548	-1.000000	1.370000	1.000000	0.630000
0.38	3.9224877	-0.966560	2.053695	-4.409998	-1.000000	1.380000	1.000000	0.620000
0.39	3.8161408	-0.918646	2.005208	-4.308144	-1.000000	1.390000	1.000000	0.610000
0.40	3.723168	-0.872913	1.958893	-4.211563	-1.000000	1.400000	1.000000	0.600000
0.41	3.629774	-0.829202	1.914590	-4.119871	-1.000000	1.410000	1.000000	0.590000
0.42	3.540879	-0.787370	1.872157	-4.032721	-1.000000	1.420000	1.000000	0.580000
0.43	3.456168	-0.747287	1.831463	-3.949800	-1.000000	1.430000	1.000000	0.570000
0.44	3.375356	-0.708833	1.792390	-3.870819	-1.000000	1.440000	1.000000	0.560000
0.45	3.298181	-0.671901	1.754830	-3.795520	-1.000000	1.450000	1.000000	0.550000

CHARACTERISTIC COEFFICIENTS

TABLE 2.3

GAMMA = -0.

DISPLACEMENT V

N(XX)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.48	3.086203	-0.569290	1.650292	-3.589432	-1.000000	1.480000	1.000000	0.520000	1.000000	1.480000	1.000000	0.520000
0.51	2.899509	-0.477285	1.556300	-3.409021	-1.000000	1.510000	1.000000	0.490000	1.000000	1.510000	1.000000	0.490000
0.54	2.733871	-0.394131	1.471114	-3.250060	-1.000000	1.540000	1.000000	0.460000	1.000000	1.540000	1.000000	0.460000
0.57	2.585952	-0.318445	1.393362	-3.109212	-1.000000	1.570000	1.000000	0.430000	1.000000	1.570000	1.000000	0.430000
0.60	2.453083	-0.249120	1.321950	-2.983808	-1.000000	1.600000	1.000000	0.400000	1.000000	1.600000	1.000000	0.400000
0.63	2.333104	-0.185258	1.255997	-2.871686	-1.000000	1.630000	1.000000	0.370000	1.000000	1.630000	1.000000	0.370000
0.66	2.224248	-0.126125	1.194783	-2.771078	-1.000000	1.660000	1.000000	0.340000	1.000000	1.660000	1.000000	0.340000
0.69	2.125055	-0.071115	1.137717	-2.680522	-1.000000	1.690000	1.000000	0.310000	1.000000	1.690000	1.000000	0.310000
0.72	2.034309	-0.015724	1.084310	-2.598759	-1.000000	1.720000	1.000000	0.280000	1.000000	1.720000	1.000000	0.280000
0.75	1.950991	0.028475	1.034152	-2.524882	-1.000000	1.750000	1.000000	0.250000	1.000000	1.750000	1.000000	0.250000
0.78	1.874237	0.073841	0.986901	-2.457903	-1.000000	1.780000	1.000000	0.220000	1.000000	1.780000	1.000000	0.220000
0.81	1.803311	0.116680	0.942267	-2.397120	-1.000000	1.810000	1.000000	0.190000	1.000000	1.810000	1.000000	0.190000
0.84	1.737584	0.157254	0.900002	-2.341855	-1.000000	1.840000	1.000000	0.160000	1.000000	1.840000	1.000000	0.160000
0.87	1.676512	0.195751	0.859896	-2.291676	-1.000000	1.870000	1.000000	0.130000	1.000000	1.870000	1.000000	0.130000
0.90	1.619626	0.232488	0.821769	-2.245983	-1.000000	1.900000	1.000000	0.100000	1.000000	1.900000	1.000000	0.100000
0.93	1.566516	0.267514	0.785464	-2.204396	-1.000000	1.930000	1.000000	0.070000	1.000000	1.930000	1.000000	0.070000
0.96	1.516824	0.301022	0.750845	-2.166543	-1.000000	1.960000	1.000000	0.040000	1.000000	1.960000	1.000000	0.040000
0.99	1.470235	0.333142	0.717794	-2.132097	-1.000000	1.990000	1.000000	0.010000	1.000000	1.990000	1.000000	0.010000
1.02	1.426474	0.363951	0.686207	-2.100766	-1.000000	2.020000	1.000000	-0.020000	1.000000	2.020000	1.000000	-0.020000
1.05	1.385293	0.393672	0.655994	-2.072291	-1.000000	2.050000	1.000000	-0.050000	1.000000	2.050000	1.000000	-0.050000
1.08	1.346476	0.422278	0.627073	-2.046436	-1.000000	2.080000	1.000000	-0.080000	1.000000	2.080000	1.000000	-0.080000
1.11	1.309827	0.449890	0.599372	-2.022951	-1.000000	2.110000	1.000000	-0.110000	1.000000	2.110000	1.000000	-0.110000
1.14	1.275173	0.476583	0.572825	-2.001765	-1.000000	2.140000	1.000000	-0.140000	1.000000	2.140000	1.000000	-0.140000
1.17	1.242359	0.502421	0.547374	-1.982985	-1.000000	2.170000	1.000000	-0.170000	1.000000	2.170000	1.000000	-0.170000
1.20	1.211243	0.527465	0.522964	-1.965254	-1.000000	2.200000	1.000000	-0.200000	1.000000	2.200000	1.000000	-0.200000
1.23	1.181700	0.551769	0.499547	-1.949747	-1.000000	2.230000	1.000000	-0.230000	1.000000	2.230000	1.000000	-0.230000
1.26	1.153615	0.575382	0.477076	-1.935812	-1.000000	2.260000	1.000000	-0.260000	1.000000	2.260000	1.000000	-0.260000
1.29	1.126885	0.598347	0.455513	-1.923368	-1.000000	2.290000	1.000000	-0.290000	1.000000	2.290000	1.000000	-0.290000
1.32	1.101416	0.620705	0.434814	-1.912304	-1.000000	2.320000	1.000000	-0.320000	1.000000	2.320000	1.000000	-0.320000
1.35	1.077122	0.642453	0.414944	-1.902517	-1.000000	2.350000	1.000000	-0.350000	1.000000	2.350000	1.000000	-0.350000

Y=0.00

TABLE 3

GAMMA = -0.

NYX=1

RY=1

EPSILON	A11	E11	A21	B21	A12	B12	A22	B22
0.01	1.827485	0.774225	C.300314	0.774225	-2.330185	-C.540986	-1.284359	-C.540986
0.02	1.782299	0.771718	C.280111	0.771718	-2.241568	-C.532037	-1.245230	-C.532037
0.03	1.739742	0.769350	C.261062	0.769350	-2.158481	-C.525455	-1.208583	-C.525455
0.04	1.699576	0.767105	C.243072	0.767105	-2.080419	-C.518208	-1.174187	-C.518208
0.05	1.661592	0.764971	C.226032	0.764971	-2.006934	-C.511266	-1.141841	-C.511266
0.06	1.625605	0.762935	C.209853	0.762935	-1.937631	-C.504602	-1.111367	-C.504602
0.07	1.591452	0.760988	C.194491	0.760988	-1.872160	-C.498194	-1.082605	-C.498194
0.08	1.558986	0.759121	C.179850	0.759121	-1.810258	-C.492021	-1.055416	-C.492021
0.09	1.528077	0.757326	C.165880	0.757326	-1.751478	-C.486066	-1.029672	-C.486066
0.10	1.498608	0.755597	C.152528	0.755597	-1.695778	-C.480310	-1.005262	-C.480310
0.11	1.470475	0.753926	C.139747	0.753926	-1.642825	-C.474740	-0.982084	-C.474740
0.12	1.443582	0.752309	C.127494	0.752309	-1.592436	-C.469344	-0.960047	-C.469344
0.13	1.417845	0.750740	C.115750	0.750740	-1.544425	-C.464107	-0.939068	-C.464107
0.14	1.393186	0.749216	C.104419	0.749216	-1.498635	-C.459021	-0.919072	-C.459021
0.15	1.369535	0.747732	C.093531	0.747732	-1.454907	-C.454075	-0.899992	-C.454075
0.16	1.346829	0.746286	C.083025	0.746286	-1.413107	-C.449261	-0.881765	-C.449261
0.17	1.325008	0.744874	C.072905	0.744874	-1.373109	-C.444570	-0.864335	-C.444570
0.18	1.304020	0.743454	C.063117	0.743454	-1.334759	-C.439995	-0.847651	-C.439995
0.19	1.283816	0.742142	C.053650	0.742142	-1.298074	-C.435529	-0.831666	-C.435529
0.20	1.264351	0.740818	C.044481	0.740818	-1.262825	-C.431167	-0.816336	-C.431167
0.21	1.245583	0.739518	C.035594	0.739518	-1.228996	-C.426902	-0.801622	-C.426902
0.22	1.227477	0.738242	C.026970	0.738242	-1.196474	-C.422730	-0.787486	-C.422730
0.23	1.209955	0.736988	C.018594	0.736988	-1.165195	-C.418645	-0.773895	-C.418645
0.24	1.193107	0.735755	C.010451	0.735755	-1.135088	-C.414644	-0.760818	-C.414644
0.25	1.176781	0.734541	C.002528	0.734541	-1.106091	-C.410722	-0.748226	-C.410722
0.26	1.160992	0.733345	-C.005189	0.733345	-1.078142	-C.406876	-0.736092	-C.406876
0.27	1.145711	0.732166	-C.012711	0.732166	-1.051188	-C.403102	-0.724391	-C.403102
0.28	1.130917	0.731004	-C.020048	0.731004	-1.025176	-C.399397	-0.713100	-C.399397
0.29	1.116587	0.729858	-C.027211	0.729858	-1.000058	-C.395757	-0.702198	-C.395757
0.30	1.102699	0.728728	-C.034210	0.728728	-0.975751	-C.392181	-0.691664	-C.392181
0.31	1.089235	0.727612	-C.041052	0.727612	-0.952331	-C.388666	-0.681481	-C.388666
0.32	1.076176	0.726510	-C.047746	0.726510	-0.929641	-C.385209	-0.671629	-C.385209
0.33	1.063506	0.725422	-C.054301	0.725422	-0.907684	-C.381808	-0.662094	-C.381808
0.34	1.051209	0.724348	-C.060722	0.724348	-0.886425	-C.378461	-0.652860	-C.378461
0.35	1.039270	0.723288	-C.067017	0.723288	-0.865833	-C.375166	-0.643912	-C.375166
0.36	1.027674	0.722240	-C.073192	0.722240	-0.845878	-C.371921	-0.635237	-C.371921
0.37	1.016410	0.721205	-C.079293	0.721205	-0.826531	-C.368724	-0.626823	-C.368724
0.38	1.005463	0.720183	-C.085205	0.720183	-0.807756	-C.365575	-0.618657	-C.365575
0.39	0.994824	0.719174	-C.091054	0.719174	-0.789558	-C.362471	-0.610729	-C.362471
0.40	0.984480	0.718178	-C.096804	0.718178	-0.771854	-C.359410	-0.603028	-C.359410
0.41	0.974422	0.717194	-C.102461	0.717194	-0.754720	-C.356392	-0.595543	-C.356392
0.42	0.964640	0.716223	-C.108028	0.716223	-0.738047	-C.353416	-0.588267	-C.353416
0.43	0.955124	0.715264	-C.113510	0.715264	-0.721844	-C.350480	-0.581189	-C.350480
0.44	0.945866	0.714318	-C.118910	0.714318	-0.706093	-C.347582	-0.574302	-C.347582
0.45	0.936857	0.713386	-C.124233	0.713386	-0.690776	-C.344723	-0.567597	-C.344723

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA = -0.

NYX=1

RY=1

EPSILON	A11	R11	A21	R21	A12	B12	A22	R22
0.48	C.911251	C.710665	-C.139767	C.710665	-C.647264	-C.336363	-0.548506	-C.336363
0.51	C.867629	C.700065	-C.154715	C.708665	-0.607102	-0.328313	-0.530813	-0.328313
0.54	C.865825	C.705989	-C.169147	0.705589	-C.569939	-C.320550	-0.514362	-0.320550
0.57	C.845656	C.703243	-C.183125	C.703243	-C.535474	-C.313058	-0.499019	-0.313058
0.60	C.827116	C.701032	-C.196698	C.701032	-C.503444	-C.305821	-0.484669	-0.305821
0.63	C.809974	C.698962	-C.209913	C.698962	-C.473621	-C.298826	-0.471213	-0.298826
0.66	C.794171	C.697029	-C.222806	C.697029	-C.445854	-C.292062	-0.458562	-C.292062
0.69	C.779621	C.695268	-C.235410	C.695268	-C.419816	-C.285517	-0.446640	-0.285517
0.72	C.766244	C.693656	-C.247753	C.693656	-C.395507	-C.279183	-0.435381	-0.279183
0.75	C.753978	C.692206	-C.259858	C.692206	-C.372733	-C.273051	-0.424723	-0.273051
0.78	C.742732	C.690923	-C.271746	C.690923	-C.351373	-C.267114	-0.414616	-0.267114
0.81	C.732471	C.689813	-C.283433	C.689813	-C.331316	-C.261366	-0.405012	-0.261366
0.84	C.723133	C.688877	-C.294935	C.688877	-C.317467	-C.255800	-0.395870	-0.255800
0.87	C.714666	C.688120	-C.306263	C.688120	-C.294734	-C.250411	-0.387153	-0.250411
0.90	C.707023	C.687543	-C.317407	C.687543	-C.278037	-C.245194	-0.378828	-0.245194
0.93	C.700158	C.687148	-C.328435	C.687148	-C.262364	-C.240143	-0.370866	-0.240143
0.96	C.694031	C.686936	-C.339295	C.686936	-C.247468	-C.235254	-0.363240	-0.235254
0.99	C.688601	C.686908	-C.350012	C.686908	-C.233464	-C.230522	-0.355926	-0.230522
1.02	C.683829	C.687061	-C.360590	C.687061	-C.220253	-C.225944	-0.348903	-0.225944
1.05	C.679681	C.687357	-C.371033	C.687357	-C.207768	-0.221516	-0.342152	-0.221516
1.08	C.676121	C.687912	-C.381344	C.687912	-C.195907	-0.217232	-0.335655	-0.217232
1.11	C.673116	C.688604	-C.391524	C.688604	-C.184909	-0.213090	-0.329397	-0.213090
1.14	C.670635	C.689409	-C.401576	C.689409	-C.174252	-0.209085	-0.323363	-0.209085
1.17	C.668648	C.690506	-C.411500	C.690506	-C.164261	-0.205214	-0.317541	-0.205214
1.20	C.667125	C.691708	-C.421297	C.691708	-C.154801	-0.201473	-0.311919	-0.201473
1.23	C.666039	C.693072	-C.430909	C.693072	-C.145840	-0.197858	-0.306486	-0.197858
1.26	C.665363	C.694593	-C.440516	C.694593	-C.137349	-0.194365	-0.301232	-0.194365
1.29	C.665071	C.696265	-C.449938	C.696265	-C.129300	-0.190990	-0.296148	-0.190990
1.32	C.665139	C.698083	-C.459236	C.698083	-C.121668	-0.187731	-0.291227	-0.187731
1.35	C.665593	C.700041	-C.468540	C.700041	-C.114427	-0.184583	-0.286460	-0.184583

γ = 0.00

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA = -0.

MY=1

NY=1

EPSILON	A13	B13	A23	B23	A14	B14	A24	B24
0.01	-1.641622	0.005865	-C.676534	0.005865	-3.988626	-0.698849	-1.647288	-1.698849
0.02	-1.580567	0.011411	-C.647959	0.011411	-3.864309	-0.691107	-1.591206	-1.691107
0.03	-1.523520	0.016666	-C.621192	0.016666	-3.747577	-0.683829	-1.538503	-1.683829
0.04	-1.470111	0.021654	-C.596056	0.021654	-3.637737	-0.676969	-1.488863	-1.676969
0.05	-1.420014	0.026359	-C.572433	0.026359	-3.534174	-0.670487	-1.442010	-1.670487
0.06	-1.372941	0.030919	-C.550165	0.030919	-3.436350	-0.664348	-1.397698	-1.664348
0.07	-1.328637	0.035231	-C.529144	0.035231	-3.343786	-0.658520	-1.355710	-1.658520
0.08	-1.286874	0.039352	-C.509269	0.039352	-3.256054	-0.652977	-1.315854	-1.652977
0.09	-1.247448	0.043295	-C.490449	0.043295	-3.172774	-0.647692	-1.277955	-1.647692
0.10	-1.210178	0.047072	-C.472600	0.047072	-3.093604	-0.642646	-1.241859	-1.642646
0.11	-1.174899	0.050695	-C.455630	0.050695	-3.018237	-0.637817	-1.207427	-1.637817
0.12	-1.141464	0.054173	-C.439530	0.054173	-2.946398	-0.633188	-1.174533	-1.633188
0.13	-1.109740	0.057516	-C.424183	0.057516	-2.877836	-0.628744	-1.143064	-1.628744
0.14	-1.079606	0.060732	-C.409552	0.060732	-2.812326	-0.624471	-1.112918	-1.624471
0.15	-1.050951	0.063829	-C.395589	0.063829	-2.749659	-0.620356	-1.084001	-1.620356
0.16	-1.023676	0.066813	-C.382249	0.066813	-2.689659	-0.616387	-1.056227	-1.616387
0.17	-0.997689	0.069691	-C.369491	0.069691	-2.632145	-0.612554	-1.029521	-1.612554
0.18	-0.972908	0.072468	-C.357276	0.072468	-2.576965	-0.608847	-1.003810	-1.608847
0.19	-0.949256	0.075149	-C.345572	0.075149	-2.523977	-0.605259	-0.979031	-1.605259
0.20	-0.926662	0.077741	-C.334346	0.077741	-2.473050	-0.601781	-0.955123	-1.601781
0.21	-0.905063	0.080247	-C.323569	0.080247	-2.424064	-0.598406	-0.932032	-1.598406
0.22	-0.884399	0.082671	-C.313215	0.082671	-2.376909	-0.595128	-0.909707	-1.595128
0.23	-0.864614	0.085017	-C.303259	0.085017	-2.331482	-0.591942	-0.888103	-1.591942
0.24	-0.845660	0.087289	-C.293678	0.087289	-2.287691	-0.588842	-0.867176	-1.588842
0.25	-0.827488	0.089450	-C.284452	0.089450	-2.245447	-0.585822	-0.846886	-1.585822
0.26	-0.810056	0.091623	-C.275562	0.091623	-2.204670	-0.582879	-0.827196	-1.582879
0.27	-0.793322	0.093691	-C.266968	0.093691	-2.165285	-0.580009	-0.808073	-1.580009
0.28	-0.777250	0.095657	-C.258714	0.095657	-2.127224	-0.577209	-0.789484	-1.577209
0.29	-0.761804	0.097644	-C.250725	0.097644	-2.090420	-0.574474	-0.771401	-1.574474
0.30	-0.746953	0.099533	-C.243005	0.099533	-2.054815	-0.571801	-0.753795	-1.571801
0.31	-0.732665	0.101367	-C.235543	0.101367	-2.020351	-0.569189	-0.736640	-1.569189
0.32	-0.718913	0.103148	-C.228324	0.103148	-1.986978	-0.566635	-0.719913	-1.566635
0.33	-0.705669	0.104878	-C.221337	0.104878	-1.954644	-0.564135	-0.703592	-1.564135
0.34	-0.692910	0.106559	-C.214571	0.106559	-1.923306	-0.561689	-0.687655	-1.561689
0.35	-0.680612	0.108152	-C.208015	0.108152	-1.892919	-0.559294	-0.672082	-1.559294
0.36	-0.668752	0.109780	-C.201661	0.109780	-1.863444	-0.556948	-0.656855	-1.556948
0.37	-0.657311	0.111324	-C.195498	0.111324	-1.834842	-0.554651	-0.641957	-1.554651
0.38	-0.646269	0.112825	-C.189518	0.112825	-1.807079	-0.552400	-0.627371	-1.552400
0.39	-0.635609	0.114284	-C.183713	0.114284	-1.780121	-0.550194	-0.613082	-1.550194
0.40	-0.625312	0.115704	-C.178076	0.115704	-1.753936	-0.548032	-0.599076	-1.548032
0.41	-0.615363	0.117086	-C.172599	0.117086	-1.728495	-0.545914	-0.585339	-1.545914
0.42	-0.605746	0.118430	-C.167373	0.118430	-1.703770	-0.543838	-0.571857	-1.543838
0.43	-0.596448	0.119738	-C.162098	0.119738	-1.679734	-0.541803	-0.558620	-1.541803
0.44	-0.587455	0.121010	-C.157063	0.121010	-1.656362	-0.539809	-0.545615	-1.539809
0.45	-0.578753	0.122249	-C.152163	0.122249	-1.633632	-0.537854	-0.532831	-1.537854



UNIT EDGE LCACING MATRIX

TABLE 3

GAMMA = -0.

MY=1

NY=1

EPSILON	A13	B13	A23	B23	A14	B14	A24	B24
0.48	-C.554280	C.125771	-C.138223	C.125771	-1.569069	-C.532226	-0.455710	-1.532226
0.51	-C.532032	C.129020	-C.125324	C.129020	-1.509539	-C.526942	-0.460246	-1.526942
0.54	-C.511755	C.132020	-C.113354	C.132020	-1.454579	-C.526225	-0.426225	-1.521994
0.57	-C.493232	C.134789	-C.102218	C.134789	-1.403789	-C.517379	-0.393467	-1.517379
0.60	-C.476274	C.137347	-C.091831	C.137347	-1.356825	-C.513097	-0.361813	-1.513097
0.63	-C.460718	C.139708	-C.082123	C.139708	-1.313386	-C.509151	-0.331130	-1.509151
0.66	-C.446419	C.141888	-C.073030	C.141888	-1.273210	-C.505544	-0.301300	-1.505544
0.69	-C.433252	C.143899	-C.064498	C.143899	-1.236065	-C.502281	-0.272223	-1.502281
0.72	-C.421107	C.145755	-C.056477	C.145755	-1.201746	-C.499308	-0.243810	-1.499308
0.75	-C.409885	C.147466	-C.048926	C.147466	-1.170070	-C.496813	-0.215985	-1.496813
0.78	-C.399500	C.149044	-C.041805	C.149044	-1.140874	-C.494622	-0.188682	-1.494622
0.81	-C.389875	C.150496	-C.035081	C.150496	-1.114009	-C.492803	-0.161844	-1.492803
0.84	-C.380940	C.151833	-C.028724	C.151833	-1.089344	-C.491303	-0.135421	-1.491303
0.87	-C.372634	C.153063	-C.022706	C.153063	-1.066756	-C.490307	-0.109371	-1.490307
0.90	-C.364901	C.154194	-C.017004	C.154194	-1.046133	-C.489643	-0.083656	-1.489643
0.93	-C.357652	C.155233	-C.011594	C.155233	-1.027372	-C.489375	-0.058247	-1.489375
0.96	-C.350962	C.156187	-C.006457	C.156187	-1.010378	-C.489508	-0.033115	-1.489508
0.99	-C.344670	C.157062	-C.001574	C.157062	-0.995062	-C.490046	-0.008239	-1.490046
1.02	-C.338776	C.157864	C.003071	C.157864	-C.981341	-C.490990	0.016401	-1.490990
1.05	-C.333257	C.158599	C.007495	C.158599	-C.969135	-C.492342	0.040820	-1.492342
1.08	-C.328074	C.159272	C.011707	C.159272	-C.958370	-C.494103	0.065032	-1.494103
1.11	-C.323201	C.159888	C.015725	C.159888	-C.948975	-C.496271	0.089047	-1.496271
1.14	-C.318615	C.160451	C.019559	C.160451	-C.940885	-C.498845	0.112874	-1.498845
1.17	-C.314252	C.160967	C.023221	C.160967	-C.934033	-C.501821	0.136520	-1.501821
1.20	-C.310213	C.161438	C.026720	C.161438	-C.928359	-C.505196	0.159991	-1.505196
1.23	-C.306358	C.161868	C.030066	C.161868	-C.923804	-C.508963	0.183290	-1.508963
1.26	-C.302711	C.162261	C.033267	C.162261	-C.920312	-C.513117	0.206423	-1.513117
1.29	-C.299256	C.162620	C.036332	C.162620	-C.917828	-C.517651	0.229391	-1.517651
1.32	-C.295979	C.162948	C.039269	C.162948	-C.916301	-C.522557	0.252196	-1.522557
1.35	-C.292866	C.163247	C.042084	C.163247	-C.915680	-C.527827	0.274841	-1.527827

Y=0.00

CHARACTERISTIC COEFFICIENTS

TABLE 2.1

GAMMA= 0.10

DISPLACEMENT L

R(Y)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.01	-0.060491	11.999335	2000.066635	9.598910	-62.741816	63.753695	-0.000306	-0.000306	-0.000306	-0.000306	-0.000306	-0.000306
0.02	-0.241416	11.989388	500.242058	9.989339	-21.658114	23.088142	-0.003453	-0.003453	-0.003453	-0.003453	-0.003453	-0.003453
0.03	-0.537963	11.946998	222.760250	9.946945	-11.332469	13.078737	-0.014112	-0.014112	-0.014112	-0.014112	-0.014112	-0.014112
0.04	-0.932780	11.838245	125.932792	9.838230	-6.573264	8.974403	-0.037499	-0.037499	-0.037499	-0.037499	-0.037499	-0.037499
0.05	-1.388609	11.630945	81.388617	9.630943	-4.668186	6.872902	-0.077323	-0.077323	-0.077323	-0.077323	-0.077323	-0.077323
0.06	-1.852418	11.312303	57.407979	9.312301	-3.290096	5.650124	-0.133701	-0.133701	-0.133701	-0.133701	-0.133701	-0.133701
0.07	-2.273390	10.897462	43.089721	8.897459	-2.401645	4.872875	-0.202894	-0.202894	-0.202894	-0.202894	-0.202894	-0.202894
0.08	-2.620094	10.420341	33.070096	8.420341	-1.798167	4.343627	-0.279269	-0.279269	-0.279269	-0.279269	-0.279269	-0.279269
0.09	-2.883630	9.917179	27.574990	7.917178	-1.371398	3.962585	-0.357619	-0.357619	-0.357619	-0.357619	-0.357619	-0.357619
0.10	-3.070213	9.416084	23.070214	7.416084	-1.059403	3.675626	-0.434281	-0.434281	-0.434281	-0.434281	-0.434281	-0.434281
0.11	-3.192527	8.934815	19.721454	6.934814	-0.824834	3.451621	-0.507146	-0.507146	-0.507146	-0.507146	-0.507146	-0.507146
0.12	-3.264221	8.482750	17.153111	6.482750	-0.644238	3.271683	-0.575234	-0.575234	-0.575234	-0.575234	-0.575234	-0.575234
0.13	-3.297411	8.063678	15.131732	6.063678	-0.502373	3.123780	-0.638267	-0.638267	-0.638267	-0.638267	-0.638267	-0.638267
0.14	-3.301964	7.678060	13.506047	5.678060	-0.389023	2.999914	-0.696357	-0.696357	-0.696357	-0.696357	-0.696357	-0.696357
0.15	-3.285568	7.324556	12.174458	5.324556	-0.297151	2.894562	-0.749807	-0.749807	-0.749807	-0.749807	-0.749807	-0.749807
0.16	-3.254072	7.000952	11.066573	5.000952	-0.221784	2.803785	-0.799003	-0.799003	-0.799003	-0.799003	-0.799003	-0.799003
0.17	-3.211877	6.704707	10.132293	4.704707	-0.159329	2.724701	-0.844349	-0.844349	-0.844349	-0.844349	-0.844349	-0.844349
0.18	-3.162267	6.433241	9.335107	4.433241	-0.107140	2.655146	-0.886234	-0.886234	-0.886234	-0.886234	-0.886234	-0.886234
0.19	-3.107688	6.184094	8.647854	4.184094	-0.063228	2.593464	-0.925021	-0.925021	-0.925021	-0.925021	-0.925021	-0.925021
0.20	-3.049954	5.954996	8.049954	3.954956	-0.026078	2.538366	-0.961038	-0.961038	-0.961038	-0.961038	-0.961038	-0.961038
0.21	-2.990411	5.743892	7.525559	3.743892	0.005485	2.488830	-0.994580	-0.994580	-0.994580	-0.994580	-0.994580	-0.994580
0.22	-2.930053	5.548941	7.062284	3.548941	0.032381	2.444038	-1.025908	-1.025908	-1.025908	-1.025908	-1.025908	-1.025908
0.23	-2.869610	5.368506	6.650328	3.368506	0.055344	2.403321	-1.059003	-1.059003	-1.059003	-1.059003	-1.059003	-1.059003
0.24	-2.809616	5.201137	6.281838	3.201137	0.074960	2.366152	-1.082815	-1.082815	-1.082815	-1.082815	-1.082815	-1.082815
0.25	-2.750458	5.045551	5.950458	3.045551	0.091706	2.332062	-1.108778	-1.108778	-1.108778	-1.108778	-1.108778	-1.108778
0.26	-2.692410	4.900613	5.650990	2.900613	0.105972	2.300680	-1.133300	-1.133300	-1.133300	-1.133300	-1.133300	-1.133300
0.27	-2.635664	4.765319	5.379149	2.765319	0.118080	2.271688	-1.156521	-1.156521	-1.156521	-1.156521	-1.156521	-1.156521
0.28	-2.580347	4.638779	5.131368	2.638779	0.128300	2.244818	-1.178566	-1.178566	-1.178566	-1.178566	-1.178566	-1.178566
0.29	-2.526540	4.520203	4.904662	2.520203	0.136855	2.219839	-1.199546	-1.199546	-1.199546	-1.199546	-1.199546	-1.199546
0.30	-2.474288	4.408888	4.696510	2.408888	0.143936	2.196554	-1.219559	-1.219559	-1.219559	-1.219559	-1.219559	-1.219559
0.31	-2.423608	4.304210	4.504773	2.304210	0.149703	2.174792	-1.238693	-1.238693	-1.238693	-1.238693	-1.238693	-1.238693
0.32	-2.374498	4.205609	4.327623	2.205609	0.154295	2.154405	-1.257027	-1.257027	-1.257027	-1.257027	-1.257027	-1.257027
0.33	-2.326941	4.112586	4.163489	2.112586	0.157830	2.135263	-1.274632	-1.274632	-1.274632	-1.274632	-1.274632	-1.274632
0.34	-2.280911	4.024653	4.011015	2.024693	0.160410	2.117254	-1.291571	-1.291571	-1.291571	-1.291571	-1.291571	-1.291571
0.35	-2.236372	3.941527	3.869025	1.941527	0.162124	2.100276	-1.307902	-1.307902	-1.307902	-1.307902	-1.307902	-1.307902
0.36	-2.193283	3.862724	3.736493	1.862724	0.163048	2.084243	-1.323675	-1.323675	-1.323675	-1.323675	-1.323675	-1.323675
0.37	-2.151601	3.787957	3.612522	1.787957	0.163252	2.069075	-1.338939	-1.338939	-1.338939	-1.338939	-1.338939	-1.338939
0.38	-2.111279	3.716930	3.496321	1.716930	0.162793	2.054703	-1.353735	-1.353735	-1.353735	-1.353735	-1.353735	-1.353735
0.39	-2.072271	3.649375	3.387195	1.649375	0.161725	2.041064	-1.368102	-1.368102	-1.368102	-1.368102	-1.368102	-1.368102
0.40	-2.034528	3.585046	3.284528	1.585046	0.160094	2.028102	-1.382076	-1.382076	-1.382076	-1.382076	-1.382076	-1.382076
0.41	-1.998003	3.523722	3.187771	1.523722	0.157941	2.015768	-1.395589	-1.395589	-1.395589	-1.395589	-1.395589	-1.395589
0.42	-1.962649	3.465201	3.096436	1.465201	0.155303	2.004016	-1.408970	-1.408970	-1.408970	-1.408970	-1.408970	-1.408970
0.43	-1.928420	3.409297	3.010086	1.409297	0.152214	1.992804	-1.421947	-1.421947	-1.421947	-1.421947	-1.421947	-1.421947
0.44	-1.895272	3.355840	2.928331	1.355840	0.148701	1.982096	-1.434645	-1.434645	-1.434645	-1.434645	-1.434645	-1.434645
0.45	-1.863163	3.304677	2.850817	1.304677	0.144793	1.971859	-1.447087	-1.447087	-1.447087	-1.447087	-1.447087	-1.447087

CHARACTERISTIC COEFFICIENTS

TABLE 2.1

EPSILON	GAMMA= 0.10		DISPLACEMENT U				R(Y)				
	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2
0.48	-1.772650	3.163572	2.640705	1.163572	0.130920	1.943672	-1.483079	-0.940364			
0.51	-1.690068	3.038598	2.459003	1.038598	0.114219	1.918759	-1.517443	-0.937309			
0.54	-1.614500	2.927161	2.300371	0.927161	0.095095	1.896577	-1.550578	-0.933689			
0.57	-1.545145	2.827190	2.160719	0.827190	0.073857	1.876704	-1.582810	-0.929491			
0.60	-1.481307	2.737015	2.036863	0.737015	0.057049	1.858801	-1.614407	-0.924705			
0.63	-1.422383	2.655271	1.926289	0.655271	0.0425962	1.842595	-1.645595	-0.919323			
0.66	-1.367849	2.580835	1.826986	0.580835	-0.000349	1.827863	-1.676566	-0.913341			
0.69	-1.317246	2.512774	1.737326	0.512774	-0.028057	1.814422	-1.707481	-0.906756			
0.72	-1.270178	2.450307	1.655981	0.450307	-0.057057	1.802117	-1.738482	-0.899573			
0.75	-1.226256	2.392773	1.581851	0.392773	-0.087264	1.790821	-1.769692	-0.891797			
0.78	-1.185294	2.339613	1.514025	0.339613	-0.118603	1.780424	-1.801217	-0.883438			
0.81	-1.146903	2.290349	1.451735	0.290348	-0.151013	1.770833	-1.833151	-0.874509			
0.84	-1.110887	2.244567	1.394334	0.244567	-0.184439	1.761967	-1.865577	-0.865026			
0.87	-1.077035	2.201913	1.341271	0.201913	-0.218836	1.753758	-1.898567	-0.855008			
0.90	-1.045161	2.162078	1.292075	0.162078	-0.254162	1.746145	-1.932186	-0.844475			
0.93	-1.015059	2.124752	1.246339	0.124752	-0.290382	1.739076	-1.966489	-0.833453			
0.96	-0.986700	2.089819	1.203714	0.089819	-0.327466	1.732504	-2.001525	-0.821966			
0.99	-0.959832	2.056949	1.163893	0.056949	-0.365384	1.726389	-2.037338	-0.810041			
1.02	-0.934376	2.026000	1.126610	0.026000	-0.404112	1.720694	-2.073965	-0.797707			
1.05	-0.910224	1.996809	1.091630	-0.003191	-0.443627	1.715388	-2.111436	-0.784993			
1.08	-0.887280	1.969229	1.058747	-0.030771	-0.483909	1.710440	-2.149779	-0.771930			
1.11	-0.865455	1.943132	1.027780	-0.056868	-0.524939	1.705825	-2.189013	-0.758547			
1.14	-0.844672	1.918400	0.998565	-0.081600	-0.566699	1.701520	-2.229158	-0.744877			
1.17	-0.824856	1.894931	0.970959	-0.105069	-0.609175	1.697505	-2.270225	-0.730949			
1.20	-0.805944	1.872629	0.944833	-0.127371	-0.652352	1.693759	-2.312224	-0.716794			
1.23	-0.787874	1.851410	0.920070	-0.148550	-0.696216	1.690265	-2.355161	-0.702440			
1.26	-0.770592	1.831197	0.896569	-0.168803	-0.740755	1.687008	-2.399038	-0.687917			
1.29	-0.754049	1.811921	0.874234	-0.188079	-0.785957	1.683973	-2.443856	-0.673253			
1.32	-0.738157	1.793517	0.852982	-0.206483	-0.831811	1.681147	-2.489612	-0.658473			
1.35	-0.722955	1.775927	0.832735	-0.224073	-0.878307	1.678517	-2.536301	-0.643603			

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Y=0-10

CHARACTERISTIC COEFFICIENTS

TABLE 2.2

GAMMA= 0.10

N (XY)

M (YY)

EPSILON	REAL F1	IMAG F1	REAL H2	IMAG H2	REAL H1	IMAG F1	REAL F2	IMAG H2
0.01	3.152854	-3.171826	-C.316218	0.000956	-0.119953	-20.000604	0.055993	-C.000605
0.02	2.209968	-2.263569	-C.447009	0.005401	-0.239787	-10.004828	0.199787	-0.004828
0.03	1.779607	-1.877607	-C.546469	0.014766	-0.358410	-6.682806	0.258410	-C.016139
0.04	1.514264	-1.663287	-C.628022	0.029705	-0.473530	-5.037311	0.393530	-C.037311
0.05	1.328387	-1.531718	-C.695728	0.049898	-0.581547	-4.069430	0.481547	-C.069430
0.06	1.189953	-1.447317	-C.751140	0.073984	-0.678738	-3.444478	0.558738	-0.111145
0.07	1.083610	-1.391774	-C.795504	0.100023	-0.762822	-3.016280	0.622822	-0.159137
0.08	1.000329	-1.354358	-C.830395	0.126203	-0.833627	-2.709607	0.673627	-0.209607
0.09	0.934030	-1.328517	-C.853114	0.151314	-0.892546	-2.481749	0.712546	-0.259527
0.10	0.880350	-1.310227	-C.878708	0.174700	-0.941608	-2.307021	0.741608	-0.307021
0.11	0.836296	-1.297005	-C.895157	0.196154	-0.982830	-2.169360	0.762830	-0.351178
0.12	0.799486	-1.287293	-C.907995	0.215658	-1.017930	-2.058373	0.777930	-0.391706
0.13	0.768351	-1.280095	-C.918033	0.233468	-1.048278	-1.967125	0.788278	-0.428663
0.14	0.741655	-1.274747	-C.925878	0.249642	-1.074928	-1.890846	0.794928	-0.462275
0.15	0.718510	-1.270803	-C.931983	0.264401	-1.098683	-1.826168	0.798683	-0.492835
0.16	0.698236	-1.267946	-C.936692	0.277920	-1.120152	-1.770652	0.800152	-0.520652
0.17	0.680315	-1.265950	-C.940268	0.290353	-1.139800	-1.722490	0.799800	-0.546019
0.18	0.664343	-1.264648	-C.942914	0.301834	-1.157983	-1.680319	0.797983	-0.569208
0.19	0.650001	-1.263914	-C.944760	0.312483	-1.174978	-1.643092	0.794978	-0.590461
0.20	0.637039	-1.263652	-C.946013	0.322401	-1.190999	-1.609991	0.790999	-0.609991
0.21	0.625251	-1.263786	-C.946692	0.331674	-1.206217	-1.580367	0.786217	-0.627986
0.22	0.614473	-1.264256	-C.946903	0.340379	-1.220767	-1.553702	0.780767	-0.644612
0.23	0.604569	-1.265014	-C.946712	0.348580	-1.234756	-1.529575	0.774756	-0.660010
0.24	0.595426	-1.266019	-C.946175	0.356334	-1.248273	-1.507641	0.768273	-0.674308
0.25	0.586950	-1.267240	-C.945334	0.363688	-1.261388	-1.487614	0.761388	-0.687614
0.26	0.579063	-1.268650	-C.944229	0.370687	-1.274159	-1.469257	0.754159	-0.700027
0.27	0.571697	-1.270226	-C.942890	0.377366	-1.286636	-1.452370	0.746636	-0.711629
0.28	0.564756	-1.271948	-C.941344	0.383758	-1.298858	-1.436783	0.738858	-0.722497
0.29	0.558310	-1.273801	-C.939614	0.389892	-1.310859	-1.422352	0.730859	-0.732697
0.30	0.552197	-1.275770	-C.937720	0.395793	-1.322666	-1.408953	0.722666	-0.742286
0.31	0.546421	-1.277842	-C.935678	0.401483	-1.334305	-1.396460	0.714305	-0.751318
0.32	0.540949	-1.280008	-C.933594	0.406982	-1.345795	-1.384839	0.705795	-0.759839
0.33	0.535754	-1.282258	-C.931210	0.412308	-1.357153	-1.373951	0.697153	-0.767891
0.34	0.530812	-1.284584	-C.928807	0.417476	-1.368396	-1.363745	0.688396	-0.775510
0.35	0.526100	-1.286979	-C.926305	0.422501	-1.379534	-1.354159	0.679534	-0.782730
0.36	0.521959	-1.289436	-C.923714	0.427395	-1.390580	-1.345137	0.670580	-0.789582
0.37	0.517293	-1.291950	-C.921040	0.432170	-1.401544	-1.336633	0.661544	-0.796092
0.38	0.513165	-1.294516	-C.918292	0.436936	-1.412433	-1.328602	0.652433	-0.802286
0.39	0.509204	-1.297129	-C.915474	0.441403	-1.423256	-1.321006	0.643256	-0.808185
0.40	0.505395	-1.299786	-C.912593	0.445878	-1.434018	-1.313811	0.634018	-0.813811
0.41	0.501729	-1.302481	-C.909654	0.450271	-1.444726	-1.306986	0.624726	-0.819181
0.42	0.498195	-1.305214	-C.906661	0.454587	-1.455384	-1.300503	0.615384	-0.824312
0.43	0.494785	-1.307979	-C.903618	0.458834	-1.465997	-1.294337	0.605997	-0.829221
0.44	0.491490	-1.310775	-C.900530	0.463016	-1.476570	-1.288465	0.596570	-0.833920
0.45	0.488302	-1.313599	-C.897399	0.467141	-1.487104	-1.282868	0.587104	-0.838423

CHARACTERISTIC COEFFICIENTS

TABLE 2.2

GAMMA= 0.10

N(XY)

M(YY)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.48	0.479322	-1.322219	-0.887783	0.479212	-1.518515	-1.267538	0.558515	-0.850872	-1.518515	-1.267538	0.558515	-0.850872
0.51	0.471101	-1.331022	-0.877885	0.490915	-1.549685	-1.254091	0.529685	-0.861934	-1.549685	-1.254091	0.529685	-0.861934
0.54	0.463518	-1.339969	-0.867764	0.502343	-1.580666	-1.242200	0.500667	-0.871830	-1.580666	-1.242200	0.500667	-0.871830
0.57	0.456481	-1.349027	-0.857466	0.513567	-1.611498	-1.231609	0.471498	-0.880732	-1.611498	-1.231609	0.471498	-0.880732
0.60	0.449913	-1.358172	-0.847032	0.524646	-1.642208	-1.222118	0.442209	-0.888784	-1.642208	-1.222118	0.442209	-0.888784
0.63	0.443753	-1.367383	-0.836493	0.535630	-1.672820	-1.213562	0.412821	-0.896101	-1.672820	-1.213562	0.412821	-0.896101
0.66	0.437952	-1.376646	-0.825879	0.546557	-1.703351	-1.205810	0.383351	-0.902780	-1.703351	-1.205810	0.383351	-0.902780
0.69	0.432468	-1.385945	-0.815215	0.557460	-1.733814	-1.198755	0.353814	-0.908900	-1.733814	-1.198755	0.353814	-0.908900
0.72	0.427267	-1.395270	-0.804525	0.568365	-1.764221	-1.192306	0.324221	-0.914528	-1.764221	-1.192306	0.324221	-0.914528
0.75	0.422319	-1.404611	-0.793828	0.579295	-1.794580	-1.186388	0.294580	-0.919722	-1.794580	-1.186388	0.294580	-0.919722
0.78	0.417599	-1.413962	-0.783144	0.590268	-1.824898	-1.180939	0.264898	-0.924529	-1.824898	-1.180939	0.264898	-0.924529
0.81	0.413087	-1.423314	-0.772490	0.601297	-1.855182	-1.175905	0.235182	-0.928991	-1.855182	-1.175905	0.235182	-0.928991
0.84	0.408763	-1.432663	-0.761862	0.612395	-1.885436	-1.171240	0.205436	-0.933145	-1.885436	-1.171240	0.205436	-0.933145
0.87	0.404612	-1.442004	-0.751335	0.623570	-1.915664	-1.166905	0.175664	-0.937020	-1.915664	-1.166905	0.175664	-0.937020
0.90	0.400620	-1.451333	-0.740864	0.634830	-1.945870	-1.162867	0.145870	-0.940645	-1.945870	-1.162867	0.145870	-0.940645
0.93	0.396775	-1.460646	-0.730481	0.646178	-1.976056	-1.159095	0.116057	-0.944042	-1.976056	-1.159095	0.116057	-0.944042
0.96	0.393065	-1.469941	-0.720199	0.657618	-2.006225	-1.155565	0.086226	-0.947232	-2.006225	-1.155565	0.086226	-0.947232
0.99	0.389482	-1.479214	-0.710030	0.669151	-2.036379	-1.152254	0.056380	-0.950234	-2.036379	-1.152254	0.056380	-0.950234
1.02	0.386016	-1.488465	-0.699983	0.680776	-2.066520	-1.149142	0.026520	-0.953063	-2.066520	-1.149142	0.026520	-0.953063
1.05	0.382660	-1.497691	-0.690069	0.692492	-2.096649	-1.146211	-0.003351	-0.955735	-2.096649	-1.146211	-0.003351	-0.955735
1.08	0.379406	-1.506890	-0.680296	0.704298	-2.126767	-1.143447	-0.033233	-0.958262	-2.126767	-1.143447	-0.033233	-0.958262
1.11	0.376250	-1.516061	-0.670672	0.716188	-2.156876	-1.140835	-0.063124	-0.960655	-2.156876	-1.140835	-0.063124	-0.960655
1.14	0.373184	-1.525203	-0.661205	0.728159	-2.186976	-1.138364	-0.093023	-0.962925	-2.186976	-1.138364	-0.093023	-0.962925
1.17	0.370205	-1.534314	-0.651901	0.740206	-2.217069	-1.136022	-0.122931	-0.965081	-2.217069	-1.136022	-0.122931	-0.965081
1.20	0.367307	-1.543395	-0.642764	0.752323	-2.247155	-1.133799	-0.152845	-0.967132	-2.247155	-1.133799	-0.152845	-0.967132
1.23	0.364485	-1.552444	-0.633799	0.764504	-2.277234	-1.131686	-0.182765	-0.969085	-2.277234	-1.131686	-0.182765	-0.969085
1.26	0.361737	-1.561461	-0.625011	0.776743	-2.307308	-1.129676	-0.212691	-0.970946	-2.307308	-1.129676	-0.212691	-0.970946
1.29	0.359058	-1.570446	-0.616402	0.789033	-2.337377	-1.127762	-0.242622	-0.972723	-2.337377	-1.127762	-0.242622	-0.972723
1.32	0.356445	-1.579357	-0.607973	0.801367	-2.367441	-1.125935	-0.272558	-0.974420	-2.367441	-1.125935	-0.272558	-0.974420
1.35	0.353895	-1.588314	-0.599728	0.813739	-2.397501	-1.124192	-0.302498	-0.976043	-2.397501	-1.124192	-0.302498	-0.976043

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Y=0.10

CHARACTERISTIC COEFFICIENTS

TABLE 2.3

EPSILON	GAMMA= 0.1C		DISPLACEMENT V		REAL H2		IMAC H2		REAL H1		IMAG H1		REAL H2		IMAG H2	
	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H2	IMAC H2	REAL H1	IMAG H1	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H2	IMAG H2	REAL H2	IMAG H2
0.01	31.718304	-31.525430	1.881348	-632.468857	-20.000604											
0.02	22.622687	-22.078146	2.657689	-223.677227	-10.004828											
0.03	18.711828	-17.719196	3.239251	-121.907891	-6.682866											
0.04	16.449178	-14.951353	3.693808	-79.440275	-5.037311											
0.05	14.920584	-12.907281	4.030863	-57.204669	-4.069430											
0.06	13.762240	-11.273563	4.249841	-43.958380	-3.444478											
0.07	12.805425	-9.519782	4.359015	-35.368047	-3.016280											
0.08	11.971657	-8.783200	4.378273	-29.440708	-2.709667											
0.09	11.225832	-7.824710	4.332294	-25.148337	-2.481749											
0.10	10.551721	-7.013769	4.243619	-21.916984	-2.307021											
0.11	9.940281	-6.324588	4.129612	-19.406401	-2.169360											
0.12	9.384946	-5.735469	4.002398	-17.404663	-2.058373											
0.13	8.880034	-5.228510	3.869946	-15.774049	-1.967125											
0.14	8.420334	-4.789173	3.737273	-14.421708	-1.890846											
0.15	8.001054	-4.405747	3.607413	-13.283005	-1.826168											
0.16	7.617834	-4.068824	3.482111	-12.311678	-1.770652											
0.17	7.266758	-3.770834	3.362285	-11.473805	-1.722490											
0.18	6.944345	-3.505660	3.248337	-10.743979	-1.680319											
0.19	6.647518	-3.268335	3.140345	-10.102811	-1.643032											
0.20	6.373567	-3.054802	3.038196	-9.535259	-1.609991											
0.21	6.120113	-2.861723	2.941661	-9.029484	-1.580367											
0.22	5.885065	-2.686333	2.850454	-8.576039	-1.553762											
0.23	5.666589	-2.526330	2.764260	-8.167362	-1.529575											
0.24	5.463068	-2.379783	2.682754	-7.797051	-1.507641											
0.25	5.273079	-2.245064	2.605620	-7.460182	-1.487614											
0.26	5.095366	-2.120788	2.532553	-7.152422	-1.469257											
0.27	4.928815	-2.005778	2.463263	-6.870214	-1.452370											
0.28	4.772441	-1.899020	2.397481	-6.610553	-1.436783											
0.29	4.625304	-1.799643	2.334956	-6.370882	-1.422352											
0.30	4.486802	-1.706891	2.275455	-6.149019	-1.408953											
0.31	4.356057	-1.620107	2.218764	-5.943086	-1.396480											
0.32	4.232459	-1.538715	2.164686	-5.751461	-1.384839											
0.33	4.115567	-1.462212	2.113040	-5.572733	-1.373951											
0.34	4.004753	-1.390154	2.063658	-5.405672	-1.363745											
0.35	3.894600	-1.322149	2.016389	-5.249198	-1.354159											
0.36	3.799654	-1.257840	1.971092	-5.102360	-1.345137											
0.37	3.704659	-1.196945	1.927637	-4.964320	-1.336633											
0.38	3.614155	-1.135159	1.885906	-4.834332	-1.328602											
0.39	3.527871	-1.084244	1.845790	-4.711733	-1.321006											
0.40	3.445524	-1.031979	1.807180	-4.595931	-1.313811											
0.41	3.366857	-0.982164	1.770007	-4.486396	-1.306986											
0.42	3.291632	-0.934618	1.734162	-4.382652	-1.300503											
0.43	3.219632	-0.889177	1.699574	-4.284268	-1.294437											
0.44	3.150658	-0.845695	1.666169	-4.190857	-1.288465											
0.45	3.084526	-0.804036	1.633861	-4.102069	-1.282868											

CHARACTERISTIC COEFFICIENTS

TABLE 2.3

GAMMA= 0.1C DISPLACEMENT V N(XX)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL F2	IMAG H2
0.48	2.901558	-C.688828	1.543109	-3.860354	-1.267538	1.518515	0.850872	0.558515	0.850872	0.558515
0.51	2.738802	-C.586205	1.460379	-3.650416	-1.254091	1.549685	0.861934	0.529685	0.861934	0.529685
0.54	2.593125	-C.494016	1.384511	-3.466616	-1.242200	1.580666	0.871830	0.500667	0.871830	0.500667
0.57	2.462037	-C.410572	1.314548	-3.304694	-1.231609	1.611498	0.880732	0.471498	0.880732	0.471498
0.60	2.343462	-C.334533	1.249705	-3.161252	-1.222118	1.642208	0.888784	0.442209	0.888784	0.442209
0.63	2.235722	-C.264819	1.189336	-3.033570	-1.213562	1.672820	0.896101	0.412821	0.896101	0.412821
0.66	2.137421	-C.200552	1.132905	-2.919443	-1.205810	1.703351	0.902780	0.383351	0.902780	0.383351
0.69	2.047350	-C.141010	1.079962	-2.817066	-1.198755	1.733814	0.908900	0.353814	0.908900	0.353814
0.72	1.964643	-C.085954	1.030131	-2.724947	-1.192306	1.764221	0.914528	0.324221	0.914528	0.324221
0.75	1.888345	-C.033806	0.983091	-2.641840	-1.186388	1.794580	0.919722	0.294580	0.919722	0.294580
0.78	1.817782	C.014778	0.938574	-2.566697	-1.180939	1.824898	0.924529	0.264898	0.924529	0.264898
0.81	1.752343	C.060514	0.896347	-2.498630	-1.175905	1.855182	0.928991	0.235182	0.928991	0.235182
0.84	1.691457	C.103708	0.856212	-2.436878	-1.171240	1.885436	0.933145	0.205436	0.933145	0.205436
0.87	1.634785	C.144622	0.817998	-2.380791	-1.166905	1.915664	0.937020	0.175664	0.937020	0.175664
0.90	1.581808	C.183483	0.781558	-2.329803	-1.162867	1.945870	0.940645	0.145870	0.940645	0.145870
0.93	1.532214	C.220488	0.746763	-2.283421	-1.159095	1.976056	0.944042	0.116057	0.944042	0.116057
0.96	1.485655	C.255810	0.713502	-2.241216	-1.155565	2.006225	0.947232	0.086226	0.947232	0.086226
0.99	1.441978	C.289587	0.681676	-2.202807	-1.152254	2.036379	0.950234	0.056380	0.950234	0.056380
1.02	1.400822	C.321983	0.651147	-2.167860	-1.149142	2.066520	0.953063	0.026520	0.953063	0.026520
1.05	1.362013	C.353085	0.621990	-2.136075	-1.146211	2.096649	0.955735	-0.003351	0.955735	-0.003351
1.08	1.325358	C.383008	0.593985	-2.107185	-1.143447	2.126767	0.958262	-0.033233	0.958262	-0.033233
1.11	1.290686	C.411843	0.567121	-2.080951	-1.140835	2.156876	0.960655	-0.063124	0.960655	-0.063124
1.14	1.257843	C.435674	0.541342	-2.057157	-1.138364	2.186976	0.962925	-0.093023	0.962925	-0.093023
1.17	1.226692	C.460575	0.516597	-2.035608	-1.136022	2.217069	0.965081	-0.122931	0.965081	-0.122931
1.20	1.197105	C.482612	0.492839	-2.016126	-1.133759	2.247155	0.967132	-0.152845	0.967132	-0.152845
1.23	1.168972	C.517846	0.470075	-1.998951	-1.131686	2.277234	0.969085	-0.182765	0.969085	-0.182765
1.26	1.142188	C.542330	0.448115	-1.982736	-1.129676	2.307308	0.970946	-0.212691	0.970946	-0.212691
1.29	1.116661	0.566115	0.427071	-1.968545	-1.127762	2.337377	0.972723	-0.242622	0.972723	-0.242622
1.32	1.092307	C.589246	0.406859	-1.955856	-1.125935	2.367441	0.974420	-0.272558	0.974420	-0.272558
1.35	1.069046	C.611762	0.387444	-1.944555	-1.124192	2.397501	0.976043	-0.302458	0.976043	-0.302458

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TABLE 3

GAMMA= 0.1C

NYX=1

RY=1

EPSILON	A11	P11	A21	E21	A12	B12	A22	B22
0.01	-C.015950	C.015721	-3.163757	C.015721	-0.016643	C.000695	-0.158973	C.000695
0.02	-C.045994	C.043683	-2.243806	C.043683	-C.049716	C.003375	-0.228745	C.003375
0.03	-C.085920	C.077599	-1.845208	C.077599	-C.096614	C.007680	-C.288448	C.007680
0.04	-C.131986	C.113041	-1.616501	C.113041	-0.156748	C.012218	-0.346165	C.012218
0.05	-C.177624	C.145642	-1.466290	C.145642	-0.228226	C.014932	-0.403960	C.014932
0.06	-C.214328	C.172179	-1.356047	C.172179	-0.306870	C.013839	-0.460841	C.013839
0.07	-C.235039	C.191804	-1.265773	C.191804	-0.387031	C.007910	-0.514357	C.007910
0.08	-C.236934	C.205839	-1.185232	C.205839	-0.463451	-C.002621	-0.562170	-C.002621
0.09	-C.221647	C.216459	-1.110940	C.216459	-0.532586	-C.016679	-0.602962	-C.016679
0.10	-C.192007	C.225576	-1.038904	C.225576	-0.592762	-C.032950	-0.636476	-C.032950
0.11	-C.153041	C.234435	-C.971197	C.234435	-C.643659	-C.050277	-0.663165	-C.050277
0.12	-C.108185	C.243673	-C.909007	C.243673	-C.685755	-C.067790	-0.683816	-C.067790
0.13	-C.060349	C.253518	-C.850765	C.253518	-C.719894	-C.084899	-0.699309	-C.084899
0.14	-C.011651	C.263965	-C.797135	C.263965	-C.747038	-C.101238	-0.710488	-C.101238
0.15	C.036452	C.274898	-C.748030	C.274898	-C.768134	-C.116601	-0.718103	-C.116601
0.16	C.083003	C.286164	-C.703257	C.286164	-C.784052	-C.130890	-0.722797	-C.130890
0.17	C.127408	C.297609	-C.662552	C.297609	-C.795563	-C.144078	-0.725107	-C.144078
0.18	C.169332	C.309095	-C.625619	C.309095	-C.803340	-C.156181	-0.725480	-C.156181
0.19	C.208617	C.320507	-C.592153	C.320507	-C.807958	-C.167242	-0.724282	-C.167242
0.20	C.245223	C.331753	-C.561893	C.331753	-C.809909	-C.171720	-0.721814	-C.171720
0.21	C.279150	C.342764	-C.534431	C.342764	-C.806612	-C.186479	-0.718322	-C.186479
0.22	C.310608	C.353487	-C.509621	C.353487	-C.807421	-C.194785	-0.714008	-C.194785
0.23	C.339595	C.363886	-C.487175	C.363886	-C.803638	-C.202306	-0.703037	-C.202306
0.24	C.366288	C.373936	-C.466868	C.373936	-C.799520	-C.209104	-0.703547	-C.209104
0.25	C.390831	C.383623	-C.448496	C.383623	-C.792283	-C.215240	-0.697648	-C.215240
0.26	C.413368	C.392940	-C.431874	C.392940	-C.785113	-C.220768	-0.691434	-C.220768
0.27	C.434042	C.401826	-C.416837	C.401826	-C.777169	-C.225741	-0.684980	-C.225741
0.28	C.452950	C.410463	-C.403236	C.410463	-C.768958	-C.230205	-0.678348	-C.230205
0.29	C.470341	C.418678	-C.390938	C.418678	-C.759473	-C.234205	-0.671592	-C.234205
0.30	C.486219	C.426540	-C.379821	C.426540	-C.749935	-C.237779	-0.664753	-C.237779
0.31	C.500738	C.434060	-C.369779	C.434060	-C.740056	-C.240964	-0.657868	-C.240964
0.32	C.514004	C.441248	-C.360715	C.441248	-C.729905	-C.243792	-0.650965	-C.243792
0.33	C.526117	C.448118	-C.352542	C.448118	-C.719547	-C.246293	-0.644069	-C.246293
0.34	C.537168	C.454682	-C.345181	C.454682	-C.709034	-C.248495	-0.637199	-C.248495
0.35	C.547241	C.460952	-C.338564	C.460952	-C.698411	-C.250421	-0.630373	-C.250421
0.36	C.556414	C.466943	-C.332626	C.466943	-C.687719	-C.252095	-0.623602	-C.252095
0.37	C.564760	C.472665	-C.327310	C.472665	-C.676990	-C.253537	-0.616898	-C.253537
0.38	C.572343	C.478133	-C.322565	C.478133	-C.666253	-C.254766	-0.610270	-C.254766
0.39	C.579224	C.483357	-C.318344	C.483357	-C.655534	-C.255798	-0.603724	-C.255798
0.40	C.585460	C.488350	-C.314604	C.488350	-C.644854	-C.256650	-0.597267	-C.256650
0.41	C.591101	C.493123	-C.311309	C.493123	-C.634230	-C.257335	-0.590901	-C.257335
0.42	C.596155	C.497666	-C.308421	C.497666	-C.623678	-C.257867	-0.584631	-C.257867
0.43	C.600766	C.502050	-C.305911	C.502050	-C.613212	-C.258257	-0.578458	-C.258257
0.44	C.604912	C.506224	-C.303750	C.506224	-C.602842	-C.258516	-0.572385	-C.258516
0.45	C.608613	C.510219	-C.301910	C.510219	-C.592577	-C.258655	-0.566412	-C.258655



UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA= 0.10      NYX=1      RY=1

EPSILON	A11	B11	A21	R21	A12	B12	A22	B22
0.48	0.617479	0.521212	-C.298034	0.521212	-0.562490	-0.258435	-0.549095	-0.258435
0.51	0.623581	0.530886	-C.296428	0.530886	-0.533564	-0.257421	-0.532671	-0.257421
0.54	0.627536	0.539429	-C.296428	0.539429	-0.505877	-0.255778	-0.517110	-0.255778
0.57	0.629835	0.547007	-C.297960	0.547007	-C.479455	-0.253640	-0.502373	-0.253640
0.60	0.630865	0.553758	-C.300573	0.553758	-0.454295	-0.251110	-0.488411	-0.251110
0.63	0.630939	0.559804	-C.304127	0.559804	-0.430373	-0.248274	-0.475177	-0.248274
0.66	0.630305	0.565249	-C.308459	0.565249	-0.407652	-0.245200	-0.462622	-0.245200
0.69	0.629163	0.570183	-C.313437	0.570183	-0.386086	-0.241945	-0.450700	-0.241945
0.72	0.627675	0.574686	-C.318952	0.574686	-0.365627	-0.238554	-0.439367	-0.238554
0.75	0.625971	0.578824	-C.324916	0.578824	-0.346223	-0.235066	-0.428582	-0.235066
0.78	0.624155	0.582659	-C.331256	0.582659	-0.327824	-0.231510	-0.418305	-0.231510
0.81	0.622313	0.586240	-C.337909	0.586240	-0.310378	-0.227914	-0.408501	-0.227914
0.84	0.620512	0.589615	-C.344824	0.589615	-0.293837	-0.224300	-0.399137	-0.224300
0.87	0.618807	0.592821	-C.351958	0.592821	-0.278151	-0.220684	-0.390184	-0.220684
0.90	0.617238	0.595855	-C.359272	0.595855	-0.263277	-0.217083	-0.381613	-0.217083
0.93	0.615841	0.598867	-C.366733	0.598867	-0.249171	-0.213510	-0.373400	-0.213510
0.96	0.614640	0.601762	-C.374315	0.601762	-0.235790	-0.209973	-0.365520	-0.209973
0.99	0.613655	0.604603	-C.381992	0.604603	-0.223098	-0.206484	-0.357953	-0.206484
1.02	0.612898	0.607411	-C.389742	0.607411	-0.211055	-0.203048	-0.350680	-0.203048
1.05	0.612378	0.610201	-C.397547	0.610201	-0.199628	-0.199672	-0.343683	-0.199672
1.08	0.612101	0.612989	-C.405389	0.612989	-0.188782	-0.196361	-0.336946	-0.196361
1.11	0.612069	0.615787	-C.413254	0.615787	-0.178488	-0.193118	-0.330454	-0.193118
1.14	0.612280	0.618604	-C.421129	0.618604	-0.168715	-0.189947	-0.324193	-0.189947
1.17	0.612731	0.621450	-C.429000	0.621450	-0.159436	-0.186850	-0.318151	-0.186850
1.20	0.613419	0.624331	-C.436858	0.624331	-0.150623	-0.183828	-0.312317	-0.183828
1.23	0.614336	0.627252	-C.444694	0.627252	-0.142253	-0.180883	-0.306680	-0.180883
1.26	0.615476	0.630218	-C.452498	0.630218	-0.134300	-0.178014	-0.301231	-0.178014
1.29	0.616829	0.633231	-C.460265	0.633231	-0.126744	-0.175223	-0.295960	-0.175223
1.32	0.618388	0.636294	-C.467986	0.636294	-0.119562	-0.172510	-0.290859	-0.172510
1.35	0.620143	0.639409	-C.475657	0.639409	-0.112734	-0.169872	-0.285921	-0.169872

107

γ=0.10

TABLE 3

GAMMA= 0.10 NYV=1

EPSILON	A13	B13	A23	B23	A14	B14	A24	B24
0.01	-0.050450	0.049718	-0.004862	0.049718	-0.000647	0.000041	-0.003009	-0.999959
0.02	-0.103767	0.097796	-0.018971	0.097796	-0.005580	0.000598	-0.012486	-0.999402
0.03	-0.161911	0.142468	-0.041616	0.142468	-0.020244	0.002656	-0.029851	-0.997344
0.04	-0.225568	0.181564	-0.071607	0.181564	-0.035037	0.007036	-0.057215	-0.992964
0.05	-0.293274	0.212817	-0.106685	0.212817	-0.050948	0.013499	-0.096285	-0.986501
0.06	-0.361564	0.234780	-0.143532	0.234780	-0.078257	0.020298	-0.146787	-0.979702
0.07	-0.426287	0.247560	-0.178683	0.247560	-0.107302	0.024885	-0.205678	-0.975115
0.08	-0.484209	0.252656	-0.209622	0.252656	-0.138019	0.025234	-0.268635	-0.974766
0.09	-0.533725	0.252147	-0.235182	0.252147	-0.169143	0.020574	-0.330918	-0.979426
0.10	-0.574621	0.247982	-0.255261	0.247982	-0.201534	0.011232	-0.389355	-0.988768
0.11	-0.607508	0.241677	-0.270351	0.241677	-0.235267	-0.001884	-0.442081	-1.001884
0.12	-0.633349	0.234288	-0.281167	0.234288	-0.269638	-0.017717	-0.488322	-1.017717
0.13	-0.653180	0.226507	-0.288447	0.226507	-0.304651	-0.035299	-0.528016	-1.035299
0.14	-0.667975	0.218763	-0.292859	0.218763	-0.339664	-0.053842	-0.561506	-1.053842
0.15	-0.678591	0.211312	-0.294973	0.211312	-0.374677	-0.072742	-0.589324	-1.072742
0.16	-0.685759	0.204293	-0.295259	0.204293	-0.409314	-0.091561	-0.612075	-1.091561
0.17	-0.690051	0.197775	-0.294098	0.197775	-0.444288	-0.109992	-0.630363	-1.109992
0.18	-0.692056	0.191780	-0.291798	0.191780	-0.484188	-0.127830	-0.644755	-1.127830
0.19	-0.692154	0.186305	-0.288605	0.186305	-0.528016	-0.144946	-0.655765	-1.144946
0.20	-0.690733	0.181330	-0.284717	0.181330	-0.576648	-0.161262	-0.663849	-1.161262
0.21	-0.687959	0.176826	-0.280292	0.176826	-0.629673	-0.176743	-0.669409	-1.176743
0.22	-0.684230	0.172761	-0.275457	0.172761	-0.689295	-0.191379	-0.672792	-1.191379
0.23	-0.679623	0.169100	-0.270314	0.169100	-0.754644	-0.205179	-0.674301	-1.205179
0.24	-0.674329	0.165810	-0.264944	0.165810	-0.829685	-0.218165	-0.674194	-1.218165
0.25	-0.668517	0.162860	-0.259415	0.162860	-0.914335	-0.230367	-0.672698	-1.230367
0.26	-0.662267	0.160217	-0.253779	0.160217	-1.009673	-0.241820	-0.670004	-1.241820
0.27	-0.655685	0.157855	-0.248079	0.157855	-1.114520	-0.252561	-0.666279	-1.252561
0.28	-0.648849	0.155746	-0.242350	0.155746	-1.229625	-0.262630	-0.661668	-1.262630
0.29	-0.641825	0.153869	-0.236620	0.153869	-1.354228	-0.272065	-0.656292	-1.272065
0.30	-0.634668	0.152200	-0.230911	0.152200	-1.489360	-0.280903	-0.650259	-1.280903
0.31	-0.627424	0.150720	-0.225241	0.150720	-1.634146	-0.289183	-0.643662	-1.289183
0.32	-0.620132	0.149411	-0.219624	0.149411	-1.789658	-0.296938	-0.636580	-1.296938
0.33	-0.612824	0.148258	-0.214073	0.148258	-1.955050	-0.304202	-0.629082	-1.304202
0.34	-0.605527	0.147245	-0.208594	0.147245	-2.130457	-0.311008	-0.621229	-1.311008
0.35	-0.598264	0.146359	-0.203197	0.146359	-2.315100	-0.317383	-0.613072	-1.317383
0.36	-0.591053	0.145589	-0.197885	0.145589	-2.509787	-0.323358	-0.604656	-1.323358
0.37	-0.583909	0.144923	-0.192662	0.144923	-2.724912	-0.328957	-0.596022	-1.328957
0.38	-0.576845	0.144352	-0.187532	0.144352	-2.960462	-0.334205	-0.587203	-1.334205
0.39	-0.569872	0.143866	-0.182496	0.143866	-3.216512	-0.339126	-0.578228	-1.339126
0.40	-0.562958	0.143458	-0.177556	0.143458	-3.493299	-0.343740	-0.569125	-1.343740
0.41	-0.556229	0.143121	-0.172711	0.143121	-3.791375	-0.348068	-0.559915	-1.348068
0.42	-0.549572	0.142847	-0.167962	0.142847	-4.110304	-0.352128	-0.550619	-1.352128
0.43	-0.543029	0.142631	-0.163308	0.142631	-4.450963	-0.355938	-0.541253	-1.355938
0.44	-0.536605	0.142467	-0.158749	0.142467	-4.814667	-0.359514	-0.531832	-1.359514
0.45	-0.530302	0.142350	-0.154284	0.142350	-5.202645	-0.362870	-0.522370	-1.362870

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA= 0.1C      MYV=1      NY=1

EPSILON	A13	B13	A23	E23	A14	B14	A24	B24
0.48	-C.512125	0.142241	-C.141434	0.142241	-1.2606C1	-0.371765	-0.493841	-1.371765
0.51	-C.495051	0.142415	-C.129374	0.142415	-1.232942	-0.379150	-0.465268	-1.379150
0.54	-C.479059	0.142756	-C.118054	0.142756	-1.205227	-0.385302	-0.436803	-1.385302
0.57	-C.464105	0.143323	-C.107426	0.143323	-1.177863	-0.390451	-0.408542	-1.390451
0.60	-C.450138	0.143952	-C.097441	0.143952	-1.151146	-0.394787	-0.380546	-1.394787
0.63	-C.437101	0.144647	-C.088051	0.144647	-1.125289	-0.398473	-0.352844	-1.398473
0.66	-C.424936	0.145383	-C.079214	0.145383	-1.100446	-0.401644	-0.325454	-1.401644
0.69	-C.413582	0.146137	-C.070888	0.146137	-1.076724	-0.404416	-0.298377	-1.404416
0.72	-C.402984	0.146895	-C.063036	0.146895	-1.054197	-0.406889	-0.271610	-1.406889
0.75	-C.393088	0.147645	-C.055622	0.147645	-1.032914	-0.409148	-0.245142	-1.409148
0.78	-C.383842	0.148379	-C.048616	0.148379	-1.012904	-0.411269	-0.218964	-1.411269
0.81	-C.375197	0.149088	-C.041989	0.149088	-0.994179	-0.413316	-0.193061	-1.413316
0.84	-C.367110	0.149770	-C.035713	0.149770	-0.976742	-0.415344	-0.167421	-1.415344
0.87	-C.359538	0.150421	-C.029765	0.150421	-0.960585	-0.417405	-0.142031	-1.417405
0.90	-C.352442	0.151039	-C.024123	0.151039	-0.945695	-0.419540	-0.116878	-1.419540
0.93	-C.345787	0.151623	-C.018760	0.151623	-0.932052	-0.421787	-0.091951	-1.421787
0.96	-C.339540	0.152172	-C.013675	0.152172	-0.919633	-0.424178	-0.067242	-1.424178
0.99	-C.333669	0.152687	-C.008834	0.152687	-0.908409	-0.426743	-0.042741	-1.426743
1.02	-C.328147	0.153168	-C.004226	0.153168	-0.898351	-0.429505	-0.018440	-1.429505
1.05	-C.322947	0.153616	C.000163	0.153616	-0.889426	-0.432485	0.005665	-1.432485
1.08	-C.318047	0.154033	C.004346	0.154033	-0.881600	-0.435700	0.029581	-1.435700
1.11	-C.313423	0.154420	C.008337	0.154420	-0.874839	-0.439164	0.053312	-1.439164
1.14	-C.309055	0.154778	C.012145	0.154778	-0.869106	-0.442890	0.076860	-1.442890
1.17	-C.304925	0.155109	C.015783	0.155109	-0.864364	-0.446885	0.100228	-1.446885
1.20	-C.301015	0.155415	C.019260	0.155415	-0.860576	-0.451158	0.123418	-1.451158
1.23	-C.297310	0.155697	C.022585	0.155697	-0.857705	-0.455713	0.146433	-1.455713
1.26	-C.293795	0.155956	C.025767	0.155956	-0.855713	-0.460552	0.169272	-1.460552
1.29	-C.290457	0.156194	C.028814	0.156194	-0.854563	-0.465676	0.191937	-1.465676
1.32	-C.287283	0.156413	C.031734	0.156413	-0.854219	-0.471086	0.214428	-1.471086
1.35	-C.284262	0.156614	C.034533	0.156614	-0.854643	-0.476780	0.236747	-1.476780

109

8=0.10

TABLE 2.1

GAMMA= 0.25

DISPLACEMENT L

R(Y)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.01	-C.004996	5.595990	5C04.055542	4.C16281	-249.650599	250.349993	-0.000018	-0.011986	-0.000018	250.349993	-0.000018	-0.011986
0.02	-C.019998	5.999840	125C.048019	4.C00721	-87.995094	88.884994	-0.000198	-0.033938	-0.000198	88.884994	-0.000198	-0.033938
0.03	-C.049982	5.999191	555.063516	3.999047	-47.511062	48.723330	-0.000818	-0.062337	-0.000818	48.723330	-0.000818	-0.062337
0.04	-C.079898	5.997445	312.580482	3.997439	-30.559880	31.959292	-0.002237	-0.095920	-0.002237	31.959292	-0.002237	-0.095920
0.05	-C.124611	5.993777	20C.124802	3.593755	-21.595567	23.159238	-0.004874	-0.133893	-0.004874	23.159238	-0.004874	-0.133893
0.06	-C.178846	5.987156	135.067806	3.587139	-16.181103	17.892183	-0.009189	-0.175629	-0.009189	17.892183	-0.009189	-0.175629
0.07	-C.242117	5.976385	102.282954	3.976380	-12.614723	14.459674	-0.015662	-0.220544	-0.015662	14.459674	-0.015662	-0.220544
0.08	-C.313663	5.960171	78.438663	3.960167	-10.118281	12.085420	-0.024755	-0.268031	-0.024755	12.085420	-0.024755	-0.268031
0.09	-C.392400	5.937229	62.120800	3.937229	-8.290722	10.369383	-0.036880	-0.317432	-0.036880	10.369383	-0.036880	-0.317432
0.10	-C.476907	5.906404	50.476911	3.906403	-6.506473	8.086510	-0.052355	-0.368026	-0.052355	8.086510	-0.052355	-0.368026
0.11	-C.565458	5.866805	41.887775	3.866804	-5.829851	8.101369	-0.071367	-0.419048	-0.071367	8.101369	-0.071367	-0.419048
0.12	-C.656117	5.817919	35.378341	3.817920	-4.974741	7.327991	-0.093944	-0.469722	-0.093944	7.327991	-0.093944	-0.469722
0.13	-C.746873	5.759690	30.332674	3.759690	-4.284002	6.709401	-0.119952	-0.519309	-0.119952	6.709401	-0.119952	-0.519309
0.14	-C.835790	5.692518	26.345996	3.692518	-3.718266	6.206495	-0.149103	-0.567155	-0.149103	6.206495	-0.149103	-0.567155
0.15	-C.921156	5.617214	23.143381	3.617214	-3.249522	5.791658	-0.180991	-0.612723	-0.180991	5.791658	-0.180991	-0.612723
0.16	-1.001579	5.534894	20.532831	3.534893	-2.837286	5.444937	-0.215137	-0.655619	-0.215137	5.444937	-0.215137	-0.655619
0.17	-1.076042	5.446854	18.377082	3.446854	-2.526231	5.151642	-0.251029	-0.695594	-0.251029	5.151642	-0.251029	-0.695594
0.18	-1.143900	5.354455	16.575999	3.354455	-2.244667	4.900791	-0.288168	-0.732530	-0.288168	4.900791	-0.288168	-0.732530
0.19	-1.204844	5.259019	15.055261	3.259018	-2.003538	4.684062	-0.326089	-0.766419	-0.326089	4.684062	-0.326089	-0.766419
0.20	-1.258844	5.161759	14.758845	3.161759	-1.795735	4.495074	-0.364386	-0.797337	-0.364386	4.495074	-0.364386	-0.797337
0.21	-1.306080	5.063744	12.643950	3.063744	-1.615618	4.328883	-0.402715	-0.825422	-0.402715	4.328883	-0.402715	-0.825422
0.22	-1.346881	4.965874	11.677461	2.965874	-1.458672	4.181612	-0.440794	-0.850846	-0.440794	4.181612	-0.440794	-0.850846
0.23	-1.381671	4.868887	10.833467	2.868887	-1.321248	4.050196	-0.478403	-0.873804	-0.478403	4.050196	-0.478403	-0.873804
0.24	-1.410923	4.773367	10.091479	2.773367	-1.200381	3.925186	-0.515374	-0.894496	-0.515374	3.925186	-0.515374	-0.894496
0.25	-1.435132	4.679764	9.435133	2.679763	-1.093641	3.825605	-0.551583	-0.913123	-1.093641	3.825605	-0.551583	-0.913123
0.26	-1.454789	4.588410	8.851239	2.588410	-0.999023	3.728843	-0.586944	-0.929874	-0.999023	3.728843	-0.586944	-0.929874
0.27	-1.470366	4.499541	8.329077	2.499541	-0.914867	3.640581	-0.621402	-0.944929	-0.914867	3.640581	-0.621402	-0.944929
0.28	-1.482307	4.413316	7.859859	2.413316	-0.839786	3.559723	-0.654924	-0.958454	-0.839786	3.559723	-0.654924	-0.958454
0.29	-1.491023	4.329826	7.436327	2.329825	-0.772617	3.485357	-0.687497	-0.970600	-0.772617	3.485357	-0.687497	-0.970600
0.30	-1.496891	4.249115	7.052447	2.249115	-0.712378	3.416715	-0.719123	-0.981503	-0.719123	3.416715	-0.719123	-0.981503
0.31	-1.500291	4.171188	6.703165	2.171188	-0.658238	3.353146	-0.749814	-0.991287	-0.658238	3.353146	-0.749814	-0.991287
0.32	-1.501410	4.096019	6.384223	2.096019	-0.609487	3.294097	-0.779590	-1.000063	-0.609487	3.294097	-0.779590	-1.000063
0.33	-1.500641	4.023561	6.092010	2.023561	-0.565519	3.239092	-0.808476	-1.007928	-0.565519	3.239092	-0.808476	-1.007928
0.34	-1.498191	3.953750	5.823451	1.953750	-0.525812	3.187720	-0.836504	-1.014971	-0.525812	3.187720	-0.836504	-1.014971
0.35	-1.494276	3.886511	5.575909	1.886511	-0.489915	3.139627	-0.863704	-1.021270	-0.489915	3.139627	-0.863704	-1.021270
0.36	-1.489049	3.821760	5.347115	1.821760	-0.457437	3.094502	-0.890112	-1.026895	-0.457437	3.094502	-0.890112	-1.026895
0.37	-1.482802	3.759409	5.135103	1.759409	-0.428038	3.052074	-0.915761	-1.031907	-0.428038	3.052074	-0.915761	-1.031907
0.38	-1.475564	3.699368	4.938169	1.699368	-0.401421	3.012103	-0.940687	-1.036362	-0.401421	3.012103	-0.940687	-1.036362
0.39	-1.467510	3.641543	4.754822	1.641543	-0.377324	2.974380	-0.964925	-1.040309	-0.377324	2.974380	-0.964925	-1.040309
0.40	-1.458757	3.585844	4.583758	1.585844	-0.355518	2.938715	-0.988509	-1.043790	-0.355518	2.938715	-0.988509	-1.043790
0.41	-1.449409	3.532181	4.423830	1.532181	-0.335801	2.904943	-1.011471	-1.046845	-0.335801	2.904943	-1.011471	-1.046845
0.42	-1.439557	3.480465	4.274025	1.480465	-0.317992	2.872915	-1.033844	-1.049509	-0.317992	2.872915	-1.033844	-1.049509
0.43	-1.429282	3.430610	4.133447	1.430610	-0.301932	2.842497	-1.055659	-1.051811	-0.301932	2.842497	-1.055659	-1.051811
0.44	-1.418655	3.382534	4.001301	1.382533	-0.287479	2.813570	-1.076945	-1.053781	-0.287479	2.813570	-1.076945	-1.053781
0.45	-1.407738	3.336156	3.876875	1.336156	-0.274506	2.786026	-1.097732	-1.055441	-0.274506	2.786026	-1.097732	-1.055441

CHARACTERISTIC COEFFICIENTS

TABLE 2.1

GAMMA= 0.25

DISPLACEMENT L

R(Y)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.48	-1.373768	3.206469	3.543907	1.206469	-0.243383	2.710753	-1.157359	-1.044185	-0.243383	2.710753	-1.157359	-1.044185
0.51	-1.338813	3.089514	3.261151	1.089514	-0.222106	2.644897	-1.213397	-1.030011	-0.222106	2.644897	-1.213397	-1.030011
0.54	-1.303664	2.983660	3.018342	0.983660	-0.208813	2.587426	-1.266426	-1.059487	-0.208813	2.587426	-1.266426	-1.059487
0.57	-1.268853	2.887504	2.807789	0.887504	-0.202162	2.535137	-1.316946	-1.057468	-0.202162	2.535137	-1.316946	-1.057468
0.60	-1.234729	2.799850	2.623619	0.799850	-0.200901	2.488924	-1.365387	-1.054151	-0.200901	2.488924	-1.365387	-1.054151
0.63	-1.201518	2.719673	2.461282	0.719673	-0.204374	2.447340	-1.412119	-1.049685	-0.204374	2.447340	-1.412119	-1.049685
0.66	-1.169358	2.646097	2.317200	0.646097	-0.211863	2.409730	-1.457463	-1.044185	-0.211863	2.409730	-1.457463	-1.044185
0.69	-1.138325	2.578370	2.188525	0.578370	-0.222841	2.375561	-1.501699	-1.037746	-0.222841	2.375561	-1.501699	-1.037746
0.72	-1.108455	2.515844	2.072961	0.515844	-0.236883	2.344389	-1.545070	-1.030441	-0.236883	2.344389	-1.545070	-1.030441
0.75	-1.079754	2.457961	1.968643	0.457961	-0.253642	2.315849	-1.587788	-1.022335	-0.253642	2.315849	-1.587788	-1.022335
0.78	-1.052209	2.404236	1.874037	0.404236	-0.272833	2.289630	-1.630042	-1.013481	-0.272833	2.289630	-1.630042	-1.013481
0.81	-1.025792	2.354247	1.787872	0.354247	-0.294217	2.265472	-1.671995	-1.003929	-0.294217	2.265472	-1.671995	-1.003929
0.84	-1.000469	2.307626	1.709086	0.307626	-0.317595	2.243152	-1.713794	-0.993723	-0.317595	2.243152	-1.713794	-0.993723
0.87	-0.976197	2.264052	1.636787	0.264052	-0.342797	2.222479	-1.755567	-0.982903	-0.342797	2.222479	-1.755567	-0.982903
0.90	-0.952934	2.223240	1.570219	0.223240	-0.369621	2.203288	-1.797429	-0.971509	-0.369621	2.203288	-1.797429	-0.971509
0.93	-0.930635	2.184940	1.508737	0.184940	-0.398124	2.185435	-1.839481	-0.959579	-0.398124	2.185435	-1.839481	-0.959579
0.96	-0.909253	2.148931	1.451782	0.148931	-0.428018	2.168797	-1.881811	-0.947150	-0.428018	2.168797	-1.881811	-0.947150
0.99	-0.888745	2.115017	1.398897	0.115017	-0.459273	2.153264	-1.924498	-0.934258	-0.459273	2.153264	-1.924498	-0.934258
1.02	-0.869067	2.083023	1.343652	0.083023	-0.491807	2.138739	-1.967612	-0.920938	-0.491807	2.138739	-1.967612	-0.920938
1.05	-0.850177	2.052791	1.303692	0.052791	-0.525549	2.125137	-2.011214	-0.907226	-0.525549	2.125137	-2.011214	-0.907226
1.08	-0.832035	2.024183	1.260705	0.024183	-0.560438	2.112383	-2.055355	-0.893157	-0.560438	2.112383	-2.055355	-0.893157
1.11	-0.814602	1.997072	1.220414	-0.02928	-0.596418	2.100409	-2.100081	-0.878765	-0.596418	2.100409	-2.100081	-0.878765
1.14	-0.797843	1.971345	1.182577	-0.028655	-0.633440	2.089156	-2.145431	-0.864083	-0.633440	2.089156	-2.145431	-0.864083
1.17	-0.781722	1.946859	1.146979	-0.03101	-0.671460	2.078568	-2.191439	-0.849144	-0.671460	2.078568	-2.191439	-0.849144
1.20	-0.766206	1.923643	1.113429	-0.036357	-0.710439	2.068598	-2.238131	-0.833980	-0.710439	2.068598	-2.238131	-0.833980
1.23	-0.751266	1.901492	1.081758	-0.0398508	-0.750340	2.059202	-2.285530	-0.818621	-0.750340	2.059202	-2.285530	-0.818621
1.26	-0.736872	1.880370	1.051813	-0.0419630	-0.791132	2.050340	-2.333654	-0.803098	-0.791132	2.050340	-2.333654	-0.803098
1.29	-0.722996	1.860208	1.023459	-0.0439752	-0.832786	2.041976	-2.382517	-0.787439	-0.832786	2.041976	-2.382517	-0.787439
1.32	-0.709613	1.840941	0.996574	-0.0459059	-0.875274	2.034077	-2.432130	-0.771669	-0.875274	2.034077	-2.432130	-0.771669
1.35	-0.696599	1.822513	0.971047	-0.0477487	-0.918571	2.026613	-2.482498	-0.755816	-0.918571	2.026613	-2.482498	-0.755816

III

Y=0.25

CHARACTERISTIC COEFFICIENTS

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TABLE 2.2

GAMMA= 0.25

N(XY)

M(YY)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.01	4.997065	-5.003001	-C.199899	0.000125	-0.059960	-50.000050	0.039959	-0.000050	0.039959	-0.000050	0.039959	-0.000050
0.02	3.527088	-3.544057	-C.282834	0.000707	-0.119994	-25.000400	0.079995	-0.000400	0.079995	-0.000400	0.079995	-0.000400
0.03	2.871325	-2.902496	-C.346379	0.001948	-0.179975	-16.668016	0.119975	-0.001948	0.119975	-0.001948	0.119975	-0.001948
0.04	2.476449	-2.524420	-C.399892	0.003956	-0.239897	-12.503196	0.159897	-0.003196	0.159897	-0.003196	0.159897	-0.003196
0.05	2.203523	-2.270507	-C.446920	0.006971	-0.299689	-10.006231	0.199689	-0.006231	0.199689	-0.006231	0.199689	-0.006231
0.06	1.999070	-2.086986	-C.489234	0.010967	-0.359229	-8.344064	0.239229	-0.010967	0.239229	-0.010967	0.239229	-0.010967
0.07	1.837617	-1.948123	-C.527830	0.016055	-0.418347	-7.159805	0.278347	-0.016055	0.278347	-0.016055	0.278347	-0.016055
0.08	1.705340	-1.835836	-C.563303	0.022273	-0.476814	-6.275093	0.316814	-0.022273	0.316814	-0.022273	0.316814	-0.022273
0.09	1.594051	-1.753668	-C.596010	0.029627	-0.534351	-5.590872	0.354351	-0.029627	0.354351	-0.029627	0.354351	-0.029627
0.10	1.498581	-1.684157	-C.626171	0.038081	-0.590640	-5.047691	0.390640	-0.038081	0.390640	-0.038081	0.390640	-0.038081
0.11	1.415500	-1.627571	-C.659319	0.047560	-0.645348	-4.625348	0.425348	-0.047560	0.425348	-0.047560	0.425348	-0.047560
0.12	1.342437	-1.581229	-C.679344	0.057949	-0.698150	-4.245401	0.458150	-0.057949	0.458150	-0.057949	0.458150	-0.057949
0.13	1.277683	-1.543124	-C.702520	0.069104	-0.748760	-3.943247	0.488760	-0.069104	0.488760	-0.069104	0.488760	-0.069104
0.14	1.219960	-1.511706	-C.723527	0.080861	-0.796953	-3.688439	0.516953	-0.080861	0.516953	-0.080861	0.516953	-0.080861
0.15	1.168271	-1.485745	-C.742456	0.093052	-0.842582	-3.471507	0.542582	-0.093052	0.542582	-0.093052	0.542582	-0.093052
0.16	1.121815	-1.464258	-C.759418	0.105510	-0.885583	-3.285253	0.565583	-0.105510	0.565583	-0.105510	0.565583	-0.105510
0.17	1.079925	-1.446445	-C.774538	0.118088	-0.925965	-3.124104	0.585965	-0.118088	0.585965	-0.118088	0.585965	-0.118088
0.18	1.042037	-1.431657	-C.787955	0.130656	-0.963802	-2.983680	0.603802	-0.130656	0.603802	-0.130656	0.603802	-0.130656
0.19	1.007667	-1.419368	-C.799809	0.143109	-0.999213	-2.860499	0.619213	-0.143109	0.619213	-0.143109	0.619213	-0.143109
0.20	0.976395	-1.409148	-C.810241	0.155367	-1.032352	-2.751769	0.632352	-0.155367	0.632352	-0.155367	0.632352	-0.155367
0.21	0.947857	-1.400649	-C.819389	0.167367	-1.063386	-2.652229	0.643386	-0.167367	0.643386	-0.167367	0.643386	-0.167367
0.22	0.921736	-1.393589	-C.827380	0.179068	-1.092492	-2.569041	0.652492	-0.179068	0.652492	-0.179068	0.652492	-0.179068
0.23	0.897756	-1.387736	-C.834333	0.190442	-1.119844	-2.491697	0.659844	-0.190442	0.659844	-0.190442	0.659844	-0.190442
0.24	0.875678	-1.382903	-C.840357	0.201475	-1.145608	-2.421955	0.665608	-0.201475	0.665608	-0.201475	0.665608	-0.201475
0.25	0.855291	-1.378936	-C.845549	0.212160	-1.169941	-2.358783	0.669941	-0.212160	0.669941	-0.212160	0.669941	-0.212160
0.26	0.836413	-1.375708	-C.849995	0.222498	-1.192986	-2.301322	0.672986	-0.222498	0.672986	-0.222498	0.672986	-0.222498
0.27	0.818885	-1.373117	-C.853774	0.232496	-1.214876	-2.248851	0.674876	-0.232496	0.674876	-0.232496	0.674876	-0.232496
0.28	0.802568	-1.371074	-C.856955	0.242163	-1.235728	-2.200760	0.675728	-0.242163	0.675728	-0.242163	0.675728	-0.242163
0.29	0.787339	-1.369508	-C.859597	0.251511	-1.255649	-2.156535	0.675649	-0.251511	0.675649	-0.251511	0.675649	-0.251511
0.30	0.773092	-1.368359	-C.861756	0.260554	-1.274734	-2.115734	0.674734	-0.260554	0.674734	-0.260554	0.674734	-0.260554
0.31	0.759732	-1.367575	-C.863477	0.269305	-1.293068	-2.077981	0.673068	-0.269305	0.673068	-0.269305	0.673068	-0.269305
0.32	0.747177	-1.367113	-C.864805	0.277780	-1.310726	-2.042951	0.670726	-0.277780	0.670726	-0.277780	0.670726	-0.277780
0.33	0.735353	-1.366938	-C.865775	0.285993	-1.327775	-2.010363	0.667775	-0.285993	0.667775	-0.285993	0.667775	-0.285993
0.34	0.724195	-1.367016	-C.866422	0.293959	-1.344275	-1.979973	0.664275	-0.293959	0.664275	-0.293959	0.664275	-0.293959
0.35	0.713646	-1.367322	-C.866774	0.301651	-1.360279	-1.951568	0.660279	-0.301651	0.660279	-0.301651	0.660279	-0.301651
0.36	0.703654	-1.367831	-C.866857	0.309204	-1.375834	-1.924961	0.655834	-0.309204	0.655834	-0.309204	0.655834	-0.309204
0.37	0.694174	-1.368524	-C.866695	0.316511	-1.390981	-1.899988	0.650981	-0.316511	0.650981	-0.316511	0.650981	-0.316511
0.38	0.685164	-1.369383	-C.8666309	0.323623	-1.405759	-1.876504	0.645760	-0.323623	0.645760	-0.323623	0.645760	-0.323623
0.39	0.676588	-1.370351	-C.865717	0.330552	-1.420202	-1.854360	0.640202	-0.330552	0.640202	-0.330552	0.640202	-0.330552
0.40	0.668412	-1.371536	-C.864937	0.337310	-1.434338	-1.833353	0.634338	-0.337310	0.634338	-0.337310	0.634338	-0.337310
0.41	0.660607	-1.372806	-C.864398	0.343906	-1.448194	-1.813770	0.628194	-0.343906	0.628194	-0.343906	0.628194	-0.343906
0.42	0.653146	-1.374189	-C.862868	0.350351	-1.461795	-1.795090	0.621795	-0.350351	0.621795	-0.350351	0.621795	-0.350351
0.43	0.646004	-1.375675	-C.861606	0.356655	-1.475162	-1.777382	0.615162	-0.356655	0.615162	-0.356655	0.615162	-0.356655
0.44	0.639159	-1.377257	-C.860207	0.362824	-1.488315	-1.760572	0.608315	-0.362824	0.608315	-0.362824	0.608315	-0.362824
0.45	0.632591	-1.378927	-C.858682	0.368869	-1.501270	-1.744593	0.601270	-0.368869	0.601270	-0.368869	0.601270	-0.368869

CHARACTERISTIC COEFFICIENTS

TABLE 2.2

GAMMA= 0.25

N(XY)

M(VY)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.48	0.614373	-1.384399	-C.853436	0.386326	-1.539105	-1.701075	0.579105	-0.659408				
0.51	C.598076	-1.390448	-C.847340	0.402905	-1.575652	-1.663187	0.555652	-0.682794				
0.54	C.583375	-1.396962	-C.840556	0.418758	-1.611176	-1.629905	0.531176	-0.703979				
0.57	C.570018	-1.403851	-C.833212	0.434011	-1.645877	-1.600439	0.505877	-0.723246				
0.60	C.557803	-1.411047	-C.825411	0.448769	-1.679910	-1.574171	0.479910	-0.740837				
0.63	C.546568	-1.418456	-C.817236	0.463120	-1.713394	-1.550607	0.453394	-0.756956				
0.66	C.536181	-1.426153	-C.808755	0.477138	-1.746424	-1.529352	0.426424	-0.771776				
0.69	C.526533	-1.433985	-C.800027	0.490886	-1.779075	-1.510082	0.399075	-0.785444				
0.72	C.517536	-1.441961	-C.791102	0.504415	-1.811408	-1.492532	0.371408	-0.798087				
0.75	C.509112	-1.450057	-C.782021	0.517771	-1.843471	-1.476482	0.343471	-0.809816				
0.78	C.501198	-1.458254	-C.772823	0.530950	-1.875304	-1.461749	0.315304	-0.820723				
0.81	C.493741	-1.466533	-C.763539	0.544106	-1.906940	-1.448176	0.286940	-0.830892				
0.84	C.486694	-1.474882	-C.754198	0.557144	-1.938406	-1.435632	0.258406	-0.840394				
0.87	C.480016	-1.483287	-C.744828	0.570126	-1.969725	-1.424004	0.229725	-0.849292				
0.90	C.473674	-1.491738	-C.735451	0.583071	-2.000915	-1.413196	0.200916	-0.857641				
0.93	C.467638	-1.500226	-C.726088	0.595995	-2.031994	-1.403125	0.171994	-0.865490				
0.96	C.461880	-1.508743	-C.716760	0.608909	-2.062974	-1.393716	0.142974	-0.872883				
0.99	C.456378	-1.517283	-C.707482	0.621823	-2.093867	-1.384908	0.113867	-0.879858				
1.02	C.451111	-1.525839	-C.698272	0.634744	-2.124683	-1.376644	0.084683	-0.886448				
1.05	C.446061	-1.534406	-C.689143	0.647678	-2.155430	-1.368876	0.055431	-0.892686				
1.08	C.441212	-1.542979	-C.680108	0.660628	-2.186117	-1.361561	0.026117	-0.898598				
1.11	C.436549	-1.551555	-C.671179	0.673557	-2.216749	-1.354659	-0.003250	-0.904208				
1.14	C.432059	-1.560131	-C.662367	0.686584	-2.247332	-1.348137	-0.032667	-0.909541				
1.17	C.427731	-1.568702	-C.653680	0.699589	-2.277872	-1.341965	-0.062128	-0.914614				
1.20	C.423554	-1.577266	-C.645125	0.712612	-2.308371	-1.336114	-0.091628	-0.919447				
1.23	C.419518	-1.585822	-C.636711	0.725649	-2.338835	-1.330561	-0.121165	-0.924057				
1.26	C.415615	-1.594366	-C.628443	0.738698	-2.369266	-1.325284	-0.150734	-0.928458				
1.29	C.411836	-1.602856	-C.620325	0.751755	-2.399667	-1.320262	-0.180332	-0.932665				
1.32	C.408175	-1.611412	-C.612362	0.764817	-2.430042	-1.315477	-0.209958	-0.936689				
1.35	C.404625	-1.619912	-C.604556	0.777879	-2.460392	-1.310914	-0.239607	-0.940543				

Y=0.25

CHARACTERISTIC COEFFICIENTS

TABLE 2.3

GAMMA= 0.25

DISPLACEMENT V

N(XX)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL F2	IMAG F2
0.01	20.012967	-19.986991	C.575802	-1000.304359	-50.000050	0.059960	0.000050	0.000050	0.000050	0.039959
0.02	14.178660	-14.105128	C.813218	-353.560295	-25.000400	C.119994	0.000400	0.000400	0.000400	0.079995
0.03	11.613534	-11.478477	C.995706	-192.661313	-16.668016	C.179975	0.001349	0.001349	0.001349	0.119975
0.04	10.101163	-9.893368	1.149269	-125.022311	-12.503196	C.239897	0.003196	0.003196	0.003196	0.159897
0.05	9.083312	-8.793316	1.283752	-89.481496	-10.006231	C.299689	0.006231	0.006231	0.006231	0.199689
0.06	8.343855	-7.563614	1.403971	-68.102301	-8.344064	C.359229	0.016948	0.016948	0.016948	0.239229
0.07	7.778744	-7.301568	1.512407	-54.033969	-7.159805	C.418347	0.041834	0.041834	0.041834	0.278347
0.08	7.330526	-6.751165	1.610304	-44.317452	-6.275093	C.476814	0.025093	0.025093	0.025093	0.316814
0.09	6.964285	-6.279084	1.698195	-37.200543	-5.590872	C.534351	0.035316	0.035316	0.035316	0.354351
0.10	6.657249	-5.864314	1.776199	-31.832118	-5.047691	C.590640	0.047691	0.047691	0.047691	0.390640
0.11	6.393786	-5.493095	1.844247	-27.670246	-4.607655	C.645348	0.062200	0.062200	0.062200	0.425348
0.12	6.162787	-5.156210	1.902243	-24.371207	-4.245401	C.698150	0.078734	0.078734	0.078734	0.458150
0.13	5.956209	-4.847403	1.950201	-21.707339	-3.943247	C.748760	0.097093	0.097093	0.097093	0.488760
0.14	5.768192	-4.562370	1.988318	-19.522340	-3.688439	C.796953	0.117011	0.117011	0.117011	0.516953
0.15	5.594491	-4.298059	2.017005	-17.705629	-3.471507	C.842582	0.138173	0.138173	0.138173	0.542582
0.16	5.432067	-4.052409	2.036873	-16.176984	-3.285253	C.885583	0.160253	0.160253	0.160253	0.565583
0.17	5.278779	-3.822640	2.048689	-14.876964	-3.124104	C.925965	0.182927	0.182927	0.182927	0.585965
0.18	5.133138	-3.610445	2.053316	-13.760730	-2.983690	C.963802	0.205902	0.205902	0.205902	0.603802
0.19	4.994121	-3.411666	2.051658	-12.793942	-2.860499	C.999213	0.228920	0.228920	0.228920	0.619213
0.20	4.861022	-3.226258	2.044604	-11.949946	-2.751769	1.032352	0.251769	0.251769	0.251769	0.632352
0.21	4.733350	-3.053253	2.032997	-11.207811	-2.655229	1.063386	0.274277	0.274277	0.274277	0.643386
0.22	4.610751	-2.891739	2.017609	-10.550923	-2.569041	1.092492	0.296314	0.296314	0.296314	0.652492
0.23	4.492955	-2.740853	1.999127	-9.965963	-2.491697	1.119844	0.317784	0.317784	0.317784	0.659844
0.24	4.379745	-2.599783	1.978155	-9.442159	-2.421955	1.145608	0.338621	0.338621	0.338621	0.665608
0.25	4.270933	-2.467766	1.955212	-8.970722	-2.358783	1.169941	0.358783	0.358783	0.358783	0.669941
0.26	4.166346	-2.344052	1.930741	-8.544425	-2.301322	1.192986	0.378245	0.378245	0.378245	0.672986
0.27	4.065822	-2.228101	1.905114	-8.157279	-2.248851	1.214876	0.396999	0.396999	0.396999	0.674876
0.28	3.969202	-2.119182	1.878642	-7.804286	-2.200760	1.235728	0.415046	0.415046	0.415046	0.675728
0.29	3.876332	-2.016774	1.851585	-7.481246	-2.156535	1.255649	0.432397	0.432397	0.432397	0.675649
0.30	3.787056	-1.920361	1.824156	-7.184609	-2.115734	1.274734	0.449067	0.449067	0.449067	0.674734
0.31	3.701226	-1.829473	1.796530	-6.911354	-2.077981	1.293068	0.465078	0.465078	0.465078	0.673068
0.32	3.618694	-1.743677	1.768848	-6.658900	-2.042951	1.310726	0.480451	0.480451	0.480451	0.670726
0.33	3.539314	-1.662581	1.741228	-6.425023	-2.010363	1.327775	0.495212	0.495212	0.495212	0.667775
0.34	3.462948	-1.585826	1.713760	-6.207805	-1.979973	1.344275	0.509385	0.509385	0.509385	0.664275
0.35	3.389457	-1.513084	1.686571	-6.005578	-1.951568	1.360279	0.522996	0.522996	0.522996	0.660279
0.36	3.318712	-1.444057	1.659568	-5.816889	-1.924961	1.375834	0.536072	0.536072	0.536072	0.655834
0.37	3.250586	-1.378472	1.632946	-5.640462	-1.899989	1.390981	0.548637	0.548637	0.548637	0.650981
0.38	3.184958	-1.316081	1.606692	-5.475179	-1.876504	1.405759	0.560714	0.560714	0.560714	0.645760
0.39	3.121712	-1.256657	1.580831	-5.320050	-1.854380	1.420202	0.572329	0.572329	0.572329	0.640202
0.40	3.060736	-1.199992	1.555382	-5.174200	-1.833503	1.434338	0.583503	0.583503	0.583503	0.634338
0.41	3.001926	-1.145897	1.530360	-5.036850	-1.813770	1.448194	0.594258	0.594258	0.594258	0.628194
0.42	2.945182	-1.094157	1.505771	-4.907305	-1.795090	1.461795	0.604614	0.604614	0.604614	0.621795
0.43	2.890407	-1.044733	1.481620	-4.784945	-1.777382	1.475162	0.614591	0.614591	0.614591	0.615162
0.44	2.837512	-0.997359	1.457910	-4.669213	-1.760572	1.488315	0.624208	0.624208	0.624208	0.608315
0.45	2.786409	-0.951940	1.434638	-4.559607	-1.744593	1.501270	0.633482	0.633482	0.633482	0.601270

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## CHARACTERISTIC COEFFICIENTS

TABLE 2.3

EPSILON	REAL F1	DISPLACEMENT V		IMAG H2		REAL H1		IMAG H1		REAL F2		IMAG H2
		REAL F1	IMAG F1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL F2	IMAG H1			
0.48	2.643065	-0.826228	1.367413	-4.263239	-1.701075	1.539105	0.659408	C.579105	C.579105	0.659408	C.579105	
0.51	2.513162	-0.714202	1.303935	-4.080803	-1.663187	1.575652	0.682794	C.555652	C.555652	0.682794	C.555652	
0.54	2.395012	-0.613610	1.243978	-3.786516	-1.629905	1.611176	0.703979	C.531176	C.531176	0.703979	C.531176	
0.57	2.287173	-0.522655	1.187293	-3.592692	-1.600439	1.645877	0.723246	C.505877	C.505877	0.723246	C.505877	
0.60	2.188419	-0.439890	1.133628	-3.422049	-1.574171	1.679910	0.740837	C.479910	C.479910	0.740837	C.479910	
0.63	2.097698	-0.364142	1.082744	-3.270982	-1.550607	1.713394	0.756956	C.453394	C.453394	0.756956	C.453394	
0.66	2.014108	-0.294446	1.034420	-3.136601	-1.529352	1.746424	0.771776	C.426424	C.426424	0.771776	C.426424	
0.69	1.936872	-0.230008	0.989451	-3.016565	-1.510082	1.779075	0.785444	C.399075	C.399075	0.785444	C.399075	
0.72	1.865316	-0.170163	0.944657	-2.908954	-1.492532	1.811408	0.798087	C.371408	C.371408	0.798087	C.371408	
0.75	1.798859	-0.114354	0.902872	-2.812182	-1.476482	1.843471	0.809816	C.343471	C.343471	0.809816	C.343471	
0.78	1.736990	-0.062113	0.862952	-2.724925	-1.461749	1.875304	0.820723	C.315304	C.315304	0.820723	C.315304	
0.81	1.678265	-0.013239	0.824767	-2.646069	-1.448176	1.906940	0.830892	C.286940	C.286940	0.830892	C.286940	
0.84	1.625293	0.033209	0.789202	-2.574669	-1.435632	1.938406	0.840394	C.258406	C.258406	0.840394	C.258406	
0.87	1.574730	0.076326	0.753154	-2.509919	-1.424004	1.969725	0.849292	C.229725	C.229725	0.849292	C.229725	
0.90	1.527272	0.118365	0.719534	-2.451126	-1.413196	2.000915	0.857641	C.200916	C.200916	0.857641	C.200916	
0.93	1.482648	0.157748	0.687260	-2.397690	-1.403125	2.031994	0.865490	C.171994	C.171994	0.865490	C.171994	
0.96	1.440618	0.195267	0.656260	-2.349087	-1.393716	2.062974	0.872883	C.142974	C.142974	0.872883	C.142974	
0.99	1.400967	0.231090	0.626470	-2.304862	-1.384908	2.093867	0.879858	C.113867	C.113867	0.879858	C.113867	
1.02	1.363909	0.265366	0.597832	-2.264611	-1.376644	2.124683	0.886448	C.084683	C.084683	0.886448	C.084683	
1.05	1.328065	0.298228	0.570293	-2.227978	-1.368876	2.155430	0.892686	C.055431	C.055431	0.892686	C.055431	
1.08	1.294482	0.329750	0.543806	-2.194648	-1.361561	2.186117	0.898598	C.026117	C.026117	0.898598	C.026117	
1.11	1.262622	0.360157	0.518327	-2.164337	-1.354659	2.216749	0.904208	C.003250	C.003250	0.904208	C.003250	
1.14	1.232358	0.389421	0.493815	-2.136753	-1.348137	2.247332	0.909541	C.003267	C.003267	0.909541	C.003267	
1.17	1.203575	0.417666	0.470234	-2.111786	-1.341965	2.277872	0.914614	C.0032128	C.0032128	0.914614	C.0032128	
1.20	1.176170	0.444365	0.447545	-2.089111	-1.336114	2.308371	0.919447	C.0031628	C.0031628	0.919447	C.0031628	
1.23	1.150048	0.471386	0.425725	-2.069582	-1.330561	2.338835	0.924057	C.0121165	C.0121165	0.924057	C.0121165	
1.26	1.125123	0.496989	0.404734	-2.050029	-1.325284	2.369266	0.928458	C.0150734	C.0150734	0.928458	C.0150734	
1.29	1.101316	0.521829	0.384543	-2.033298	-1.320262	2.399667	0.932665	C.0180332	C.0180332	0.932665	C.0180332	
1.32	1.078556	0.545956	0.365126	-2.018247	-1.315477	2.430042	0.936689	C.0209958	C.0209958	0.936689	C.0209958	
1.35	1.056775	0.569415	0.346454	-2.004747	-1.310914	2.460352	0.940543	C.0239607	C.0239607	0.940543	C.0239607	

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 $\gamma = 0.25$

TABLE 3

GAMMA= 0.25

NYX=1

RY=1

EPSILON	A11	E11	A21	B21	A12	B12	A22	B22
0.01	-C.0040C4	C.003993	-5.002686	0.003993	-C.004081	C.000075	-0.100134	C.000075
0.02	-C.011375	C.011261	-3.536424	0.011261	-C.011779	C.000398	-0.141907	C.000398
0.03	-C.021014	C.020566	-2.88986	0.020566	-C.022087	C.001018	-0.174569	C.001018
0.04	-C.032551	C.031355	-2.504382	0.031355	-C.034718	C.001928	-0.202850	C.001928
0.05	-C.045738	C.043373	-2.243376	0.043373	-C.049535	C.003077	-0.228646	C.003077
0.06	-C.060332	C.056168	-2.052195	0.056168	-C.066458	C.004385	-0.252948	C.004385
0.07	-C.076032	C.069453	-1.905023	0.069453	-C.0854C7	0.005739	-0.276335	C.005739
0.08	-C.092444	C.082857	-1.787632	0.082857	-C.106275	C.007000	-0.299149	C.007000
0.09	-C.109072	C.096167	-1.691365	0.096167	-C.128899	C.008011	-0.321572	C.008011
0.10	-C.125320	C.108946	-1.610533	0.108946	-C.153051	C.008606	-0.343664	C.008606
0.11	-C.140524	C.120956	-1.541169	0.120956	-C.178422	C.008624	-0.365384	C.008624
0.12	-C.1540C1	C.131985	-1.480379	0.131985	-C.204637	C.007923	-0.386614	C.007923
0.13	-C.165114	C.1419C4	-1.425999	0.1419C4	-C.231271	C.006398	-0.407190	C.006398
0.14	-C.173333	C.150678	-1.376400	0.150678	-C.257874	C.003990	-0.426919	C.003990
0.15	-C.178283	C.158357	-1.330369	0.158357	-C.284012	C.000666	-0.445612	C.000666
0.16	-C.179767	C.165061	-1.287023	0.165061	-C.309287	-C.003476	-0.463100	-C.003476
0.17	-C.177765	C.170957	-1.245749	0.170957	-C.333364	-C.008424	-0.479252	-C.008424
0.18	-C.1724C9	C.176230	-1.206137	0.176230	-C.355983	-C.014056	-0.493980	-C.014056
0.19	-C.163953	C.181063	-1.167939	0.181063	-C.376958	-C.020253	-0.507241	-C.020253
0.20	-C.152729	C.185624	-1.131013	0.185624	-C.396173	-C.026895	-0.519033	-C.026895
0.21	-C.139114	C.190054	-1.095293	0.190054	-C.413576	-C.033860	-0.529383	-C.033860
0.22	-C.123499	C.194466	-1.060759	0.194466	-C.429164	-C.041039	-0.538348	-C.041039
0.23	-C.106268	C.198945	-1.027417	0.198945	-C.442971	-C.048331	-0.546000	-C.048331
0.24	-C.087780	C.203546	-C.995281	0.203546	-C.455062	-C.055650	-0.552425	-C.055650
0.25	-C.068362	C.2083C8	-C.964369	0.2083C8	-C.465521	-C.062923	-0.557713	-C.062923
0.26	-C.0483C5	C.213247	-C.934693	0.213247	-C.474443	-C.070091	-0.561956	-C.070091
0.27	-C.027861	C.218367	-C.906260	0.218367	-C.481930	-C.077107	-0.565248	-C.077107
0.28	-C.007245	C.223662	-C.879066	0.223662	-C.488086	-C.083931	-0.567677	-C.083931
0.29	C.013362	C.225120	-C.853102	0.225120	-C.493017	-C.090536	-0.569326	-C.090536
0.30	C.033811	C.234722	-C.828349	0.234722	-C.496823	-C.096902	-0.570275	-C.096902
0.31	C.053981	C.240448	-C.804783	0.240448	-C.4996C1	-C.103013	-0.570598	-C.103013
0.32	C.073773	C.246277	-C.782374	0.246277	-C.501443	-C.108860	-0.570362	-C.108860
0.33	C.093112	C.252185	-C.761089	0.252185	-C.502434	-C.114440	-0.569627	-C.114440
0.34	C.111939	C.258151	-C.740890	0.258151	-C.502656	-C.119749	-0.568452	-C.119749
0.35	C.130210	C.264156	-C.721738	0.264156	-C.502181	-C.124791	-0.566885	-C.124791
0.36	C.147895	C.270179	-C.703593	0.270179	-C.501080	-C.129569	-0.564974	-C.129569
0.37	C.164973	C.2762C3	-C.686413	0.2762C3	-C.499414	-C.134087	-0.562760	-C.134087
0.38	C.181433	C.282212	-C.670157	0.282212	-C.497241	-C.138353	-0.560280	-C.138353
0.39	C.197270	C.288191	-C.654783	0.288191	-C.494615	-C.142373	-0.557567	-C.142373
0.40	C.212485	C.294129	-C.640251	0.294129	-C.491583	-C.146156	-0.554652	-C.146156
0.41	C.227084	C.300013	-C.626521	0.300013	-C.488191	-C.149711	-0.551561	-C.149711
0.42	C.241077	C.305834	-C.613555	0.305834	-C.484477	-C.153045	-0.548319	-C.153045
0.43	C.254477	C.311584	-C.601315	0.311584	-C.480478	-C.156169	-0.544948	-C.156169
0.44	C.267297	C.317256	-C.589766	0.317256	-C.476228	-C.159091	-0.541465	-C.159091
0.45	C.279554	C.322843	-C.578872	0.322843	-C.471757	-C.161819	-0.537890	-C.161819

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA= 0.25

NYX=1

RY=1

EPSILON	A11	B11	A21	E21	A12	B12	A22	E22
0.48	C.313129	C.335054	-C.549802	C.339054	-C.457280	-C.168931	-0.526748	-C.168931
0.51	C.342308	C.354382	-C.525535	C.354382	-C.441661	-C.174603	-0.515230	-C.174603
0.54	C.367605	C.368792	-C.505373	0.368792	-C.425363	-C.179036	-0.503572	-C.179036
0.57	C.389513	C.382291	-C.488722	C.382291	-C.408730	-C.182408	-0.491939	-C.182408
0.60	C.408485	C.394907	-C.475079	C.394907	-C.392016	-C.184872	-0.480446	-C.184872
0.63	C.424927	C.406684	-C.464018	C.406684	-C.375409	-C.186562	-0.469172	-C.186562
0.66	C.439199	C.417677	-C.455179	0.417677	-C.359049	-C.187594	-0.458167	-C.187594
0.69	C.451618	C.427941	-C.448256	C.427941	-C.343025	-C.188067	-0.447466	-C.188067
0.72	C.462459	C.437537	-C.442990	C.437537	-0.327427	-C.188065	-0.437086	-C.188065
0.75	C.471961	C.446523	-C.439166	C.446523	-C.312304	-C.187661	-0.427037	-C.187661
0.78	C.480330	C.454954	-C.436577	C.454954	-0.297669	-C.186919	-0.417320	-C.186919
0.81	C.487747	C.462865	-C.435081	C.462865	-C.283551	-C.185893	-0.407934	-C.185893
0.84	C.494365	C.470366	-C.434531	C.470366	-C.269959	-C.184628	-0.398871	-C.184628
0.87	C.500316	C.477444	-C.434805	C.477444	-C.256855	-C.183167	-0.390123	-C.183167
0.90	C.505714	C.484161	-C.435807	0.434161	-C.244358	-C.181543	-0.381681	-C.181543
0.93	C.510657	C.490559	-C.437430	C.490559	-C.232339	-C.179786	-0.373534	-C.179786
0.96	C.515229	C.496672	-C.439622	0.496672	-C.220828	-C.177923	-0.365670	-C.177923
0.99	C.519459	C.502535	-C.442290	0.502535	-C.209813	-C.175977	-0.358079	-C.175977
1.02	C.523530	C.508177	-C.445380	0.508177	-C.199279	-C.173967	-0.350748	-C.173967
1.05	C.527373	C.513625	-C.448839	C.513625	-C.189212	-C.171909	-0.343668	-C.171909
1.08	C.531071	C.518904	-C.452619	C.518904	-C.179595	-C.169819	-0.336828	-C.169819
1.11	C.534661	C.524034	-C.456680	C.524034	-0.170412	-C.167709	-0.330217	-C.167709
1.14	C.538172	C.529036	-C.460983	0.529036	-C.161646	-C.165591	-0.323826	-C.165591
1.17	C.541622	C.533926	-C.465496	C.533926	-0.153281	-C.163472	-0.317646	-C.163472
1.20	C.545059	C.538720	-C.470189	0.538720	-C.145299	-C.161362	-0.311668	-C.161362
1.23	C.548473	C.543431	-C.475037	0.543431	-C.137686	-C.159267	-0.305883	-C.159267
1.26	C.551885	0.548070	-C.480016	C.548070	-C.130424	-C.157193	-0.300284	-C.157193
1.29	C.555308	C.552648	-C.485104	C.552648	-C.123459	-C.155145	-0.294863	-C.155145
1.32	C.558750	0.557173	-C.490280	C.557173	-C.116894	-C.153126	-0.289614	-C.153126
1.35	C.562216	C.561653	-C.495542	0.561653	-C.110595	-C.151139	-0.284529	-C.151139

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Y=0.25

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA= 0.25

MY=1

NY=1

EPSILON	A13	B13	A23	B23	A14	B14	A24	B24
0.01	-C.020032	C.015977	-C.000788	0.019977	-C.000049	0.000001	-0.000574	-0.999999
0.02	-C.040249	C.039815	-C.003111	0.039815	-C.000408	C.000021	-0.002317	-0.999979
0.03	-C.060820	C.059383	-C.006903	0.059383	-C.001418	C.000103	-0.005264	-C.999897
0.04	-C.081852	C.078543	-C.012104	0.078543	-C.003462	C.000310	-0.009489	-0.999690
0.05	-C.103575	C.097147	-C.018646	0.097147	-C.006959	C.000715	-0.015093	-0.999285
0.06	-C.125935	C.115034	-C.026449	0.115034	-C.012362	C.001389	-0.022203	-0.998611
0.07	-C.148985	C.132028	-C.035411	0.132028	-C.020140	C.002388	-0.030960	-C.997612
0.08	-C.172672	C.147940	-C.045399	0.147940	-C.030759	C.003742	-0.041504	-C.996258
0.09	-C.196873	C.162585	-C.056246	0.162585	-C.046368	C.005436	-0.053954	-C.994564
0.10	-C.221393	C.175786	-C.067741	0.175786	-C.062113	C.007402	-0.068377	-0.992598
0.11	-C.245974	C.187401	-C.079643	0.187401	-C.083384	C.009517	-0.084769	-C.990483
0.12	-C.270313	C.197331	-C.091687	0.197331	-C.108481	C.011610	-0.103034	-0.988390
0.13	-C.294085	C.205536	-C.103602	0.205536	-C.137245	C.013473	-0.122975	-0.986527
0.14	-C.316974	C.212039	-C.115131	0.212039	-C.169328	C.014890	-0.144303	-0.985110
0.15	-C.338657	C.216920	-C.126049	0.216920	-C.204230	C.015658	-0.166660	-C.984342
0.16	-C.359023	C.220308	-C.136175	0.220308	-C.241341	C.015610	-0.189645	-0.984390
0.17	-C.377787	C.222365	-C.145378	0.222365	-C.280002	C.014629	-0.212850	-0.985371
0.18	-C.394887	C.223270	-C.153578	0.223270	-C.319550	C.012650	-0.235888	-C.987350
0.19	-C.410284	C.223205	-C.160742	0.223205	-C.359367	C.009662	-0.258413	-C.990338
0.20	-C.423985	C.222344	-C.166871	0.222344	-C.398901	C.005696	-0.280135	-0.994304
0.21	-C.436040	C.220850	-C.171997	0.220850	-C.437687	C.000816	-0.300823	-0.999184
0.22	-C.446525	C.218865	-C.176172	0.218865	-C.475349	-C.004887	-0.320306	-1.004887
0.23	-C.455535	C.216513	-C.179461	0.216513	-C.511554	-C.011314	-0.338463	-1.011314
0.24	-C.463176	C.213857	-C.181934	0.213857	-C.546208	-C.018358	-0.355225	-1.018358
0.25	-C.469559	C.211104	-C.183666	0.211104	-C.579044	-C.025911	-0.370556	-1.025911
0.26	-C.474795	C.208205	-C.184732	0.208205	-C.610013	-C.033871	-0.384455	-1.033871
0.27	-C.478950	C.205255	-C.185201	0.205255	-C.639070	-C.042144	-0.396942	-1.042144
0.28	-C.482247	C.202300	-C.185141	0.202300	-C.666209	-C.050643	-0.408056	-1.050643
0.29	-C.484662	C.199375	-C.184613	0.199375	-C.691450	-C.059292	-0.417849	-1.059292
0.30	-C.486325	C.196506	-C.183676	0.196506	-C.714836	-C.068023	-0.426381	-1.068023
0.31	-C.487316	C.193712	-C.182380	0.193712	-C.736425	-C.076778	-0.433715	-1.076778
0.32	-C.487711	C.191009	-C.180773	0.191009	-C.756288	-C.085507	-0.439922	-1.085507
0.33	-C.487578	C.188407	-C.178896	0.188407	-C.774501	-C.094168	-0.445069	-1.094168
0.34	-C.486978	C.185913	-C.176787	0.185913	-C.791145	-C.102727	-0.449223	-1.102727
0.35	-C.485966	C.183529	-C.174479	0.183529	-C.806305	-C.111154	-0.452453	-1.111154
0.36	-C.484594	C.181259	-C.172002	0.181259	-C.820063	-C.119426	-0.454821	-1.119426
0.37	-C.482905	C.179102	-C.169382	0.179102	-C.832504	-C.127525	-0.456388	-1.127525
0.38	-C.480940	C.177057	-C.166643	0.177057	-C.843708	-C.135435	-0.457214	-1.135435
0.39	-C.478734	C.175121	-C.163804	0.175121	-C.853754	-C.143147	-0.457352	-1.143147
0.40	-C.476321	C.173293	-C.160885	0.173293	-C.862718	-C.150652	-0.456854	-1.150652
0.41	-C.473729	C.171568	-C.157900	0.171568	-C.870673	-C.157945	-0.455768	-1.157945
0.42	-C.470984	C.169943	-C.154864	0.169943	-C.877688	-C.165022	-0.454139	-1.165022
0.43	-C.468108	C.168413	-C.151790	0.168413	-C.883828	-C.171883	-0.452009	-1.171883
0.44	-C.465123	C.166975	-C.148688	0.166975	-C.889156	-C.178527	-0.449416	-1.178527
0.45	-C.462047	C.165625	-C.145567	0.165625	-C.893729	-C.184957	-0.446397	-1.184957

UNIT EDGE LACING MATRIX

TABLE 3

GAMMA= 0.25

MY=1

NY=1

EPSILON	A13	P13	A23	E23	A14	B14	A24	B24
0.48	-C.452424	C.162056	-C.136172	C.162056	-C.903461	-C.202985	-0.435101	-1.202985
0.51	-C.442470	C.159126	-C.126852	C.159126	-C.908139	-C.219213	-0.421023	-1.219213
0.54	-C.432434	C.156736	-C.117721	C.156736	-C.909038	-C.233782	-0.404772	-1.233782
0.57	-C.422489	C.154758	-C.108853	C.154758	-0.906835	-C.246852	-0.386826	-1.246852
0.60	-C.412754	C.153235	-C.100290	C.153235	-0.902343	-C.258582	-0.367560	-1.258582
0.63	-C.403308	C.151984	-C.092057	C.151984	-C.896140	-C.269130	-0.347270	-1.269130
0.66	-C.394422	C.150951	-C.084166	C.150951	-C.88787	-C.278642	-0.326186	-1.278642
0.69	-C.385462	C.150210	-C.076617	C.150210	-0.880435	-C.287255	-0.304492	-1.287255
0.72	-C.377108	C.149602	-C.069407	C.149602	-C.871641	-C.295094	-0.282334	-1.295094
0.75	-C.369144	C.149137	-C.062527	C.149137	-0.862585	-C.302276	-0.259826	-1.302276
0.78	-C.361566	C.148787	-C.055966	C.148787	-C.853478	-C.308903	-0.237060	-1.308903
0.81	-C.354366	C.148530	-C.049711	C.148530	-C.844490	-C.315069	-0.214111	-1.315069
0.84	-C.347532	C.148349	-C.043750	C.148349	-C.835760	-C.320859	-0.191038	-1.320859
0.87	-C.341051	C.148229	-C.038067	C.148229	-C.827338	-C.326349	-0.167888	-1.326349
0.90	-C.334908	C.148156	-C.032650	C.148156	-C.819454	-C.331606	-0.144702	-1.331606
0.93	-C.329085	C.148121	-C.027485	C.148121	-C.812116	-C.336692	-0.121512	-1.336692
0.96	-C.323566	C.148115	-C.022559	C.148115	-C.805320	-C.341661	-0.098346	-1.341661
0.99	-C.318335	C.148121	-C.017859	C.148121	-C.799145	-C.346561	-0.075226	-1.346561
1.02	-C.313375	C.148164	-C.013374	C.148164	-C.793623	-C.351435	-0.052170	-1.351435
1.05	-C.308671	C.148209	-C.009091	C.148209	-C.788773	-C.356320	-0.029197	-1.356320
1.08	-C.304208	C.148263	-C.005000	C.148263	-C.784667	-C.361249	-0.006320	-1.361249
1.11	-C.299970	C.148321	-C.001090	C.148321	-C.781133	-C.366251	C.016450	-1.366251
1.14	-C.295944	C.148383	C.002649	C.148383	-C.778349	-C.371351	C.039100	-1.371351
1.17	-C.292117	C.148446	C.006223	C.148446	-C.776251	-C.376569	C.061622	-1.376569
1.20	-C.288477	C.148509	C.009648	C.148509	-C.774832	-C.381924	C.084008	-1.381924
1.23	-C.285011	C.148571	C.012925	C.148571	-C.774078	-C.387431	C.106251	-1.387431
1.26	-C.281710	C.148631	C.016065	C.148631	-C.773976	-C.393102	C.128345	-1.393102
1.29	-C.278562	C.148688	C.019075	C.148688	-C.774508	-C.398946	C.150284	-1.398946
1.32	-C.275558	C.148743	C.021962	C.148743	-C.775657	-C.404972	C.172064	-1.404972
1.35	-C.272690	C.148754	C.024732	C.148754	-C.777405	-C.411185	C.193692	-1.411185

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$\gamma = 0.25$

## CHARACTERISTIC COEFFICIENTS

TABLE 2.1

EPSILON	GAMMA= 0.50		DISPLACEMENT L		R (Y)		R (Y)	
	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.01	-0.000897	4.000000	9995.999878	2.036826	-706.825020	707.388611	-0.000003	-0.005629
0.02	-0.003600	3.999591	2500.148651	1.988883	-249.600479	250.400427	-0.000029	-0.015999
0.03	-0.008099	3.999556	1111.215042	1.999678	-135.594187	136.573875	-0.000119	-0.029389
0.04	-0.014398	3.999862	625.023659	2.000024	-87.825296	88.956602	-0.000326	-0.045250
0.05	-0.022494	3.999663	400.023811	1.999453	-62.617707	63.882489	-0.000711	-0.063234
0.06	-0.032381	3.999301	277.811131	1.999297	-47.427013	48.812365	-0.001346	-0.083106
0.07	-0.040452	3.998705	204.125978	1.998757	-37.442662	38.938756	-0.002307	-0.104692
0.08	-0.057454	3.997754	156.307547	1.997760	-30.046522	32.066181	-0.003679	-0.127846
0.09	-0.072686	3.996472	123.523603	1.996470	-25.361194	27.056502	-0.005548	-0.152440
0.10	-0.089598	3.994634	100.089681	1.994617	-21.493266	23.279318	-0.008008	-0.178361
0.11	-0.108190	3.992166	82.752851	1.992157	-18.478389	20.350266	-0.011153	-0.205495
0.12	-0.128469	3.988946	69.572863	1.988944	-16.073941	18.027212	-0.015077	-0.233731
0.13	-0.150186	3.984848	59.321797	1.984841	-14.119555	16.150144	-0.019873	-0.262955
0.14	-0.173436	3.979742	51.193854	1.979743	-12.505429	14.609514	-0.025632	-0.293048
0.15	-0.198056	3.973499	44.642502	1.973495	-11.154115	13.328054	-0.032436	-0.323883
0.16	-0.223923	3.965955	39.286426	1.965953	-10.009585	12.249856	-0.040362	-0.355329
0.17	-0.250898	3.957116	34.852977	1.957115	-9.030403	11.333564	-0.049474	-0.387245
0.18	-0.278823	3.946759	31.143025	1.946758	-8.185332	10.547988	-0.059824	-0.419487
0.19	-0.307525	3.934837	28.008358	1.934836	-7.450415	9.869200	-0.071449	-0.451907
0.20	-0.336818	3.921285	25.336820	1.921284	-6.806996	9.278562	-0.084368	-0.484352
0.21	-0.366508	3.906059	23.042247	1.906058	-6.240346	8.761359	-0.098585	-0.516673
0.22	-0.396366	3.889141	21.051555	1.889140	-5.738689	8.305830	-0.114083	-0.548723
0.23	-0.426282	3.870537	19.329876	1.870536	-5.292498	7.902475	-0.130832	-0.580360
0.24	-0.455972	3.850280	17.817085	1.850280	-4.893987	7.543544	-0.148782	-0.611453
0.25	-0.485281	3.828427	16.485283	1.828427	-4.536728	7.222660	-0.167870	-0.641882
0.26	-0.514037	3.805055	15.306937	1.805055	-4.215368	6.934536	-0.188022	-0.671539
0.27	-0.542084	3.780260	14.259506	1.780260	-3.925409	6.674757	-0.209153	-0.700332
0.28	-0.569284	3.754154	13.324388	1.754153	-3.663050	6.439615	-0.231172	-0.728184
0.29	-0.595522	3.726859	12.486130	1.726859	-3.425049	6.225979	-0.253983	-0.755033
0.30	-0.620700	3.698507	11.731812	1.698506	-3.208628	6.031191	-0.277489	-0.780832
0.31	-0.644744	3.669230	11.050572	1.669230	-3.011395	5.852984	-0.301593	-0.805548
0.32	-0.667597	3.639164	10.433223	1.639163	-2.831276	5.689419	-0.326202	-0.829163
0.33	-0.689221	3.608441	9.871959	1.608441	-2.666468	5.538829	-0.351224	-0.851668
0.34	-0.709597	3.577150	9.360117	1.577189	-2.515356	5.399776	-0.376575	-0.873067
0.35	-0.728716	3.545532	8.891983	1.545532	-2.376679	5.271018	-0.402175	-0.893369
0.36	-0.746587	3.513583	8.462638	1.513583	-2.249102	5.151474	-0.427952	-0.912594
0.37	-0.763227	3.481448	8.067830	1.481448	-2.131594	5.040203	-0.453839	-0.930767
0.38	-0.778661	3.449225	7.703870	1.449225	-2.023207	4.936385	-0.479776	-0.947916
0.39	-0.792923	3.417002	7.367547	1.417002	-1.923101	4.839298	-0.505713	-0.964074
0.40	-0.806052	3.384858	7.056054	1.384858	-1.830528	4.748310	-0.531601	-0.979276
0.41	-0.818051	3.352863	6.766932	1.352863	-1.744824	4.662864	-0.557400	-0.993559
0.42	-0.829086	3.321081	6.498021	1.321081	-1.665352	4.582465	-0.583076	-1.006960
0.43	-0.839084	3.289564	6.247414	1.289564	-1.591701	4.506676	-0.608599	-1.019517
0.44	-0.848134	3.258360	6.013425	1.258360	-1.523273	4.435108	-0.633944	-1.031267
0.45	-0.856286	3.227509	5.794559	1.227509	-1.459681	4.367415	-0.659090	-1.042249

CHARACTERISTIC COEFFICIENTS

TABLE 2.1

EPSILON	GAMMA= 0.50	DISPLACEMENT L				R(Y)			
		REAL F1	IMAG F1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL F2	IMAG H2
0.48	-0.875830	3.137388	5.216109	1.137388	-1.294241	4.184639	-0.733184	-1.070935	
0.51	-0.888973	3.051361	4.326369	1.051361	-1.160480	4.027298	-0.805068	-1.093934	
0.54	-0.896841	2.969748	4.326197	0.969748	-1.052005	3.890365	-0.874642	-1.112050	
0.57	-0.900411	2.892641	3.978282	0.892641	-0.963986	3.770066	-0.941937	-1.125973	
0.60	-0.900510	2.819983	3.678289	0.819983	-0.892724	3.663512	-1.007062	-1.136284	
0.63	-0.897827	2.751626	3.417354	0.751626	-0.835350	3.568456	-1.070175	-1.143470	
0.66	-0.892928	2.687366	3.188613	0.687366	-0.789611	3.483122	-1.131457	-1.147939	
0.69	-0.886281	2.626972	2.986681	0.626972	-0.753717	3.406087	-1.191102	-1.150030	
0.72	-0.878264	2.570201	2.807277	0.570201	-0.726233	3.336198	-1.249302	-1.150029	
0.75	-0.869188	2.516809	2.646966	0.516809	-0.705997	3.272510	-1.306248	-1.148177	
0.78	-0.859304	2.466562	2.502960	0.466562	-0.692057	3.214238	-1.362119	-1.144679	
0.81	-0.848817	2.419233	2.372976	0.419233	-0.683630	3.160729	-1.417088	-1.139710	
0.84	-0.837894	2.374611	2.255127	0.374611	-0.680065	3.111432	-1.471312	-1.133421	
0.87	-0.826667	2.332459	2.147846	0.332459	-0.680817	3.065877	-1.524939	-1.125944	
0.90	-0.815248	2.292713	2.049816	0.292713	-0.685427	3.023665	-1.578106	-1.117355	
0.93	-0.803722	2.255084	1.959926	0.255084	-0.693506	2.984451	-1.630937	-1.107878	
0.96	-0.792162	2.219456	1.877232	0.219456	-0.704721	2.947939	-1.683545	-1.097485	
0.99	-0.780625	2.185686	1.800930	0.185686	-0.718787	2.913869	-1.736034	-1.086300	
1.02	-0.769156	2.153642	1.730325	0.153642	-0.735458	2.882014	-1.788496	-1.074400	
1.05	-0.757792	2.123004	1.664822	0.123004	-0.754521	2.852177	-1.841017	-1.061854	
1.08	-0.746560	2.094261	1.603900	0.094261	-0.775789	2.824181	-1.893672	-1.048728	
1.11	-0.735485	2.066712	1.547108	0.066712	-0.799101	2.797871	-1.946527	-1.035082	
1.14	-0.724582	2.040462	1.494050	0.040462	-0.824312	2.773109	-1.999642	-1.020971	
1.17	-0.713866	2.015428	1.444380	0.015428	-0.851297	2.749773	-2.053071	-1.006449	
1.20	-0.703345	1.991528	1.397790	-0.008472	-0.879944	2.727752	-2.106859	-0.991563	
1.23	-0.693027	1.968652	1.354009	-0.031308	-0.910152	2.706946	-2.161047	-0.976359	
1.26	-0.682915	1.946852	1.312797	-0.053148	-0.941834	2.687268	-2.215669	-0.960880	
1.29	-0.673014	1.925948	1.273940	-0.074052	-0.974909	2.668635	-2.270755	-0.945165	
1.32	-0.663323	1.905921	1.237244	-0.094079	-1.009306	2.650976	-2.326330	-0.929252	
1.35	-0.653843	1.886720	1.202540	-0.113280	-1.044961	2.634225	-2.382415	-0.913173	

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$\gamma = 0.50$

CHARACTERISTIC COEFFICIENTS

TABLE 2.2

GAMMA= 0.50

Δ(XY)

M(Y)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL P2	IMAG P2
0.01	7.069657	-7.072479	-0.141071	0.000032	-0.039901	-100.000006	0.019901	-0.000009	0.039996	-0.000072
0.02	4.996005	-5.040055	-0.199991	0.000179	-0.079996	-50.000071	0.039996	-0.000072	0.059991	-0.000243
0.03	4.075157	-4.089852	-0.244931	0.000496	-0.119991	-33.333577	0.059991	-0.000243	0.079993	-0.000576
0.04	3.524280	-3.546906	-0.282832	0.001018	-0.159993	-25.000576	0.079993	-0.000576	0.099983	-0.001125
0.05	3.146597	-3.178215	-0.316205	0.001778	-0.199983	-20.001125	0.099983	-0.001125	0.119957	-0.001943
0.06	2.866215	-2.907774	-0.374067	0.002805	-0.239957	-16.668609	0.119957	-0.001943	0.139909	-0.003084
0.07	2.646850	-2.699208	-0.434067	0.004122	-0.279909	-14.288798	0.139909	-0.003084	0.159823	-0.004599
0.08	2.468691	-2.532638	-0.499821	0.005752	-0.319823	-12.504600	0.159823	-0.004599	0.179682	-0.006542
0.09	2.319891	-2.396159	-0.542360	0.007715	-0.359682	-11.117653	0.179682	-0.006542	0.199463	-0.008960
0.10	2.192882	-2.282147	-0.6446726	0.010028	-0.399463	-10.008960	0.199463	-0.008960	0.219138	-0.011901
0.11	2.082578	-2.185467	-0.7468294	0.012707	-0.439138	-9.102810	0.219138	-0.011901	0.238674	-0.015409
0.12	1.985419	-2.102514	-0.8488796	0.015762	-0.478674	-8.348742	0.238674	-0.015409	0.258030	-0.019524
0.13	1.898839	-2.030670	-0.9508330	0.019204	-0.518030	-7.711832	0.258030	-0.019524	0.277164	-0.024281
0.14	1.820934	-1.967985	-1.0526967	0.023038	-0.557164	-7.167138	0.277164	-0.024281	0.296025	-0.029708
0.15	1.750260	-1.912965	-1.1544764	0.027267	-0.596025	-6.696375	0.296025	-0.029708	0.314559	-0.035828
0.16	1.685707	-1.864448	-1.261762	0.031889	-0.634559	-6.285828	0.314559	-0.035828	0.332710	-0.042653
0.17	1.626401	-1.821508	-1.377989	0.036857	-0.672710	-5.925006	0.332710	-0.042653	0.350417	-0.050188
0.18	1.571649	-1.783395	-1.493468	0.042284	-0.710417	-5.605744	0.350417	-0.050188	0.367619	-0.058430
0.19	1.520852	-1.749455	-1.608216	0.048034	-0.747619	-5.321588	0.367619	-0.058430	0.384257	-0.067364
0.20	1.473675	-1.719295	-1.722243	0.054130	-0.784257	-5.067364	0.384257	-0.067364	0.400272	-0.076967
0.21	1.429621	-1.692362	-1.835562	0.060550	-0.820272	-4.838872	0.400272	-0.076967	0.415611	-0.087207
0.22	1.388416	-1.668326	-1.948179	0.067271	-0.855611	-4.632662	0.415611	-0.087207	0.430223	-0.098045
0.23	1.349756	-1.646868	-2.06105	0.074265	-0.890223	-4.445871	0.430223	-0.098045	0.444067	-0.109433
0.24	1.313533	-1.627709	-2.171349	0.081503	-0.924067	-4.276100	0.444067	-0.109433	0.457107	-0.121320
0.25	1.279432	-1.610606	-2.279432	0.088954	-0.957107	-4.121320	0.457107	-0.121320	0.469314	-0.133650
0.26	1.247319	-1.595343	-2.38546	0.096590	-0.989314	-3.979803	0.469314	-0.133650	0.480670	-0.146363
0.27	1.217044	-1.581729	-2.491117	0.104378	-1.020670	-3.850066	0.480670	-0.146363	0.491163	-0.159400
0.28	1.188470	-1.569593	-2.59769	0.112290	-1.051163	-3.730828	0.491163	-0.159400	0.500977	-0.172701
0.29	1.161474	-1.558785	-2.704816	0.120296	-1.080789	-3.620977	0.500977	-0.172701	0.509552	-0.186210
0.30	1.135946	-1.549169	-2.8125280	0.128371	-1.109552	-3.519543	0.509552	-0.186210	0.517461	-0.199871
0.31	1.111783	-1.540624	-2.92182	0.136490	-1.137461	-3.425677	0.517461	-0.199871	0.524532	-0.213631
0.32	1.088891	-1.533042	-3.028546	0.144629	-1.164532	-3.338631	0.524532	-0.213631	0.530785	-0.227443
0.33	1.067186	-1.526326	-3.134395	0.152770	-1.190785	-3.257746	0.530785	-0.227443	0.536244	-0.241263
0.34	1.046586	-1.520390	-3.239754	0.160895	-1.216244	-3.182439	0.536244	-0.241263	0.540936	-0.255051
0.35	1.027019	-1.515158	-3.344647	0.168987	-1.240936	-3.112194	0.540936	-0.255051	0.544890	-0.268771
0.36	1.008417	-1.510561	-3.449099	0.177033	-1.264890	-3.046549	0.544890	-0.268771	0.548136	-0.282394
0.37	0.990715	-1.506536	-3.553131	0.185023	-1.288136	-2.985097	0.548136	-0.282394	0.550705	-0.295891
0.38	0.973856	-1.503031	-3.656768	0.192947	-1.310705	-2.927470	0.550705	-0.295891	0.552631	-0.309240
0.39	0.957785	-1.499954	-3.760032	0.200797	-1.332631	-2.873343	0.552631	-0.309240	0.553943	-0.322421
0.40	0.942451	-1.497383	-3.862944	0.208567	-1.353943	-2.822421	0.553943	-0.322421	0.554674	-0.335471
0.41	0.927808	-1.495159	-3.965525	0.216252	-1.374674	-2.774442	0.554674	-0.335471	0.554854	-0.348216
0.42	0.913812	-1.493287	-4.067793	0.223849	-1.394854	-2.729168	0.554854	-0.348216	0.554512	-0.360806
0.43	0.900424	-1.491736	-4.169768	0.231355	-1.414512	-2.686388	0.554512	-0.360806	0.553678	-0.373179
0.44	0.887604	-1.490476	-4.271466	0.238769	-1.433678	-2.645906	0.553678	-0.373179	0.552379	-0.385329
0.45	0.875320	-1.489484	-4.372904	0.246089	-1.452379	-2.607551	0.552379	-0.385329		



## CHARACTERISTIC COEFFICIENTS

TABLE 2.2

GAMMA= 0.5C

N(XY)

M(YY)

EPILTON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.48	C.841365	-1.487858	-C.785811	0.267493	-1.505946	-2.503732	0.545946	-0.420358				
0.51	C.811194	-1.488029	-C.786884	C.288083	-1.556194	-2.414160	0.536194	-0.453376				
0.54	C.784200	-1.489508	-C.786429	C.307907	-1.603664	-2.336146	0.523664	-0.484294				
0.57	C.759855	-1.492061	-C.784698	C.327026	-1.648805	-2.267620	0.508805	-0.513234				
0.60	C.737881	-1.495479	-C.781899	C.345509	-1.691989	-2.206973	0.491990	-0.540306				
0.63	C.717834	-1.499563	-C.778203	C.363421	-1.733524	-2.152933	0.473524	-0.565631				
0.66	C.699486	-1.504308	-C.773752	C.380828	-1.773661	-2.104484	0.453661	-0.589333				
0.69	C.682616	-1.509495	-C.768666	C.397789	-1.812610	-2.060809	0.432611	-0.611534				
0.72	C.667038	-1.515085	-C.763045	C.414359	-1.850544	-2.021239	0.410544	-0.632350				
0.75	C.652598	-1.521016	-C.756976	C.430588	-1.887607	-1.985224	0.387607	-0.651851				
0.78	C.639164	-1.527236	-C.750533	C.446521	-1.923918	-1.952308	0.363918	-0.670257				
0.81	C.626625	-1.533701	-C.743777	C.462196	-1.959579	-1.922110	0.339579	-0.687542				
0.84	C.614885	-1.540375	-C.736765	C.477649	-1.994673	-1.894307	0.314674	-0.703830				
0.87	C.603861	-1.547231	-C.729544	C.492911	-2.029274	-1.868626	0.289274	-0.719200				
0.90	C.593484	-1.554241	-C.722158	C.508007	-2.063441	-1.8444834	0.263442	-0.733723				
0.93	C.583690	-1.561385	-C.714644	C.522961	-2.097228	-1.822730	0.237228	-0.747462				
0.96	C.574427	-1.568644	-C.707035	C.537752	-2.130677	-1.802143	0.210678	-0.760476				
0.99	C.565646	-1.576003	-C.699361	C.552518	-2.163829	-1.782920	0.183829	-0.772819				
1.02	C.557307	-1.583447	-C.691648	C.567152	-2.196715	-1.764931	0.156715	-0.784539				
1.05	C.549371	-1.590966	-C.683920	C.581706	-2.229364	-1.748062	0.129364	-0.795681				
1.08	C.541800	-1.598548	-C.676198	C.596190	-2.261802	-1.732211	0.101802	-0.806285				
1.11	C.534586	-1.606186	-C.668502	C.610610	-2.294050	-1.717289	0.074050	-0.816388				
1.14	C.527681	-1.613869	-C.660847	C.624973	-2.326127	-1.703217	0.046127	-0.826024				
1.17	C.521069	-1.621593	-C.653249	C.639284	-2.358050	-1.689924	0.018050	-0.835223				
1.20	C.514729	-1.629349	-C.645720	C.653545	-2.389833	-1.677347	-0.010166	-0.844014				
1.23	C.508642	-1.637134	-C.638272	C.667758	-2.421491	-1.665431	-0.038509	-0.852423				
1.26	C.502751	-1.644942	-C.630916	C.681924	-2.453034	-1.654124	-0.066966	-0.860473				
1.29	C.497161	-1.652768	-C.623659	C.696044	-2.484472	-1.643382	-0.095527	-0.868188				
1.32	C.491736	-1.660608	-C.616508	C.710117	-2.515815	-1.633162	-0.124184	-0.875586				
1.35	C.486505	-1.668460	-C.609471	C.724143	-2.547071	-1.623428	-0.152928	-0.882688				

CHARACTERISTIC COEFFICIENTS

TABLE 2.3

GAMMA= 0.50

DISPLACEMENT V

N(XX)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.01	14.145656	-14.138613	C.247640	-1415.379883	-100.000006	C.039901	0.000009	0.019901	0.000009	0.039901	0.000009	0.019901
0.02	10.009981	-9.989982	C.349415	-500.007820	-50.000071	C.079996	0.000072	0.039996	0.000072	0.079996	0.000072	0.039996
0.03	8.183259	-8.146521	C.428584	-272.172951	-33.333577	C.119991	0.000243	0.059991	0.000243	0.119991	0.000243	0.059991
0.04	7.099141	-7.042578	C.494946	-176.780539	-25.000576	C.159993	0.000576	0.079993	0.000576	0.159993	0.000576	0.079993
0.05	6.363622	-6.284581	C.553297	-126.496770	-20.001125	C.199983	0.001125	0.099983	0.001125	0.199983	0.001125	0.099983
0.06	5.824583	-5.720703	C.606028	-96.233896	-16.668609	C.239957	0.001943	0.119957	0.001943	0.239957	0.001943	0.119957
0.07	5.409180	-5.278322	C.654421	-76.373261	-14.288798	C.279909	0.003084	0.139909	0.003084	0.279909	0.003084	0.139909
0.08	5.077547	-4.917754	C.699317	-62.517975	-12.504600	C.319823	0.004599	0.159823	0.004599	0.319823	0.004599	0.159823
0.09	4.805763	-4.615240	C.741309	-52.402388	-11.117653	C.359682	0.006542	0.179682	0.006542	0.359682	0.006542	0.179682
0.10	4.578473	-4.355570	C.780774	-44.752676	-10.008960	C.399463	0.008960	0.199463	0.008960	0.399463	0.008960	0.199463
0.11	4.385286	-4.128499	C.817994	-38.803419	-9.102810	C.439138	0.011901	0.219138	0.011901	0.439138	0.011901	0.219138
0.12	4.218875	-3.926841	C.853154	-34.669844	-8.348742	C.478673	0.015409	0.238674	0.015409	0.478673	0.015409	0.238674
0.13	4.073886	-3.745352	C.886383	-30.231551	-7.711832	C.518030	0.019524	0.258030	0.019524	0.518030	0.019524	0.258030
0.14	3.946298	-3.580285	C.917766	-27.669175	-7.167138	C.557164	0.024281	0.277164	0.024281	0.557164	0.024281	0.277164
0.15	3.833010	-3.428586	C.947347	-24.427994	-6.696375	C.596025	0.029708	0.296025	0.029708	0.596025	0.029708	0.296025
0.16	3.731585	-3.288028	C.975152	-22.196076	-6.285828	C.634559	0.035828	0.314559	0.035828	0.634559	0.035828	0.314559
0.17	3.640069	-3.156842	1.001183	-20.290641	-5.925006	0.672710	0.042653	0.332710	0.042653	0.672710	0.042653	0.332710
0.18	3.556874	-3.033628	1.025432	-18.649277	-5.605744	0.710417	0.050188	0.350417	0.050188	0.710417	0.050188	0.350417
0.19	3.480692	-2.917275	1.047883	-17.224126	-5.321588	0.747619	0.058430	0.367619	0.058430	0.747619	0.058430	0.367619
0.20	3.410439	-2.806894	1.068520	-15.977928	-5.067364	0.784257	0.067364	0.384257	0.067364	0.784257	0.067364	0.384257
0.21	3.345206	-2.701773	1.087329	-14.881281	-4.838872	0.820272	0.076967	0.400272	0.076967	0.820272	0.076967	0.400272
0.22	3.284231	-2.601339	1.104300	-13.910694	-4.632662	0.855611	0.087207	0.415611	0.087207	0.855611	0.087207	0.415611
0.23	3.226874	-2.505133	1.119435	-13.047193	-4.445871	0.890223	0.098045	0.430223	0.098045	0.890223	0.098045	0.430223
0.24	3.172595	-2.412783	1.132745	-12.275256	-4.276100	0.924067	0.109552	0.444067	0.109552	0.924067	0.109552	0.444067
0.25	3.120945	-2.323992	1.144254	-11.582257	-4.121320	0.957107	0.121320	0.457107	0.121320	0.957107	0.121320	0.457107
0.26	3.071545	-2.238513	1.153998	-10.957495	-3.979803	0.989314	0.133650	0.469314	0.133650	0.989314	0.133650	0.469314
0.27	3.024084	-2.156149	1.162023	-10.392158	-3.850066	1.020670	0.146363	0.480670	0.146363	1.020670	0.146363	0.480670
0.28	2.978304	-2.076731	1.168390	-9.878750	-3.730828	1.051163	0.159400	0.491163	0.159400	1.051163	0.159400	0.491163
0.29	2.933993	-2.000120	1.173166	-9.411076	-3.620977	1.080789	0.172701	0.500789	0.172701	1.080789	0.172701	0.500789
0.30	2.890981	-1.926192	1.176427	-8.983631	-3.519543	1.109552	0.186210	0.509552	0.186210	1.109552	0.186210	0.509552
0.31	2.849128	-1.854840	1.178256	-8.591843	-3.425677	1.137461	0.199871	0.517461	0.199871	1.137461	0.199871	0.517461
0.32	2.808324	-1.785966	1.178738	-8.231743	-3.338631	1.164532	0.213631	0.524532	0.213631	1.164532	0.213631	0.524532
0.33	2.768481	-1.719478	1.177964	-7.899901	-3.257746	1.190785	0.227443	0.530785	0.227443	1.190785	0.227443	0.530785
0.34	2.729529	-1.655250	1.176021	-7.593338	-3.182439	1.216244	0.241263	0.536244	0.241263	1.216244	0.241263	0.536244
0.35	2.691412	-1.593320	1.173000	-7.309460	-3.112194	1.240936	0.255051	0.540936	0.255051	1.240936	0.255051	0.540936
0.36	2.654088	-1.533488	1.168987	-7.045957	-3.046549	1.264890	0.268771	0.544890	0.268771	1.264890	0.268771	0.544890
0.37	2.617522	-1.475715	1.164066	-6.800962	-2.985097	1.288136	0.282394	0.548136	0.282394	1.288136	0.282394	0.548136
0.38	2.581688	-1.419926	1.158319	-6.572602	-2.927470	1.310705	0.295891	0.550705	0.295891	1.310705	0.295891	0.550705
0.39	2.546563	-1.366045	1.151823	-6.359373	-2.873343	1.332631	0.309240	0.552631	0.309240	1.332631	0.309240	0.552631
0.40	2.512130	-1.313998	1.144650	-6.159906	-2.822421	1.353943	0.322421	0.553943	0.322421	1.353943	0.322421	0.553943
0.41	2.478374	-1.263715	1.136868	-5.972987	-2.774442	1.374474	0.335417	0.554674	0.335417	1.374474	0.335417	0.554674
0.42	2.445283	-1.215124	1.128540	-5.797535	-2.729168	1.394854	0.348216	0.554854	0.348216	1.394854	0.348216	0.554854
0.43	2.412845	-1.168158	1.119726	-5.632587	-2.686388	1.414512	0.360806	0.554512	0.360806	1.414512	0.360806	0.554512
0.44	2.381050	-1.122749	1.110480	-5.477280	-2.645906	1.433678	0.373179	0.553678	0.373179	1.433678	0.373179	0.553678
0.45	2.349888	-1.078832	1.100852	-5.330840	-2.607551	1.452379	0.385329	0.552379	0.385329	1.452379	0.385329	0.552379

CHARACTERISTIC COEFFICIENTS

TABLE 2.3

GAMMA= 0.5C

DISPLACEMENT V

N(XX)

EPSILON	REAL F1	IMAG F1	REAL F2	IMAG F2	REAL H1	IMAG H1	REAL F2	IMAG H2
0.48	2.2601C5	-C.555424	1.07C119	-4.9381C6	-2.503732	1.505946	0.42C398	0.545946
0.51	2.175675	-C.843327	1.037383	-4.603877	-2.414160	1.556194	0.453376	0.536194
0.54	2.096328	-C.741145	1.003431	-4.316652	-2.336146	1.603664	0.484294	0.523664
0.57	2.021782	-C.647656	C.968847	-4.067721	-2.267620	1.648805	0.513234	0.508805
0.60	1.951745	-C.561757	C.93406C	-3.850379	-2.206973	1.691989	0.54C306	0.491990
0.63	1.885927	-C.482649	C.899382	-3.659353	-2.152933	1.733524	0.565631	0.473524
0.66	1.824042	-C.409419	C.86504C	-3.490619	-2.104484	1.773661	0.589333	0.453661
0.69	1.765817	-C.341422	C.831194	-3.340739	-2.0608C9	1.812610	0.611534	0.432611
0.72	1.71C950	-C.278067	C.797958	-3.207066	-2.021239	1.850544	0.632350	0.410544
0.75	1.659317	-C.218845	C.765412	-3.0874C0	-1.985224	1.887607	0.651891	0.387607
0.78	1.61C569	-C.163314	C.733611	-2.979924	-1.9523C8	1.923918	0.67C257	0.363918
0.81	1.564533	-C.111C88	C.702589	-2.883125	-1.922110	1.959579	0.687542	0.339579
0.84	1.521013	-C.061834	C.67237C	-2.79573C	-1.8943C7	1.994673	0.7C3830	0.314674
0.87	1.479828	-C.015260	C.642966	-2.716663	-1.868626	2.029274	0.719200	0.289274
0.90	1.44C811	C.028890	C.614382	-2.6450C5	-1.844834	2.063441	0.733723	0.263442
0.93	1.403810	C.07C841	C.586618	-2.575970	-1.822730	2.097228	0.747462	0.237228
0.96	1.368682	C.11C751	C.559672	-2.520875	-1.802143	2.130677	0.760476	0.210678
0.99	1.3353C0	C.148916	C.533536	-2.467130	-1.782920	2.163829	0.772819	0.183829
1.02	1.303544	C.185371	C.508204	-2.418219	-1.764931	2.196715	0.784539	0.156715
1.05	1.2733C6	C.22C295	C.483665	-2.373686	-1.748C62	2.229364	0.795681	0.129364
1.08	1.244485	C.253811	C.459908	-2.333131	-1.732211	2.2618C2	0.806285	0.1018C2
1.11	1.216988	C.286026	C.436921	-2.296199	-1.717289	2.294050	0.816388	0.074050
1.14	1.19C732	C.317047	C.414692	-2.262573	-1.703217	2.326127	0.826024	0.046127
1.17	1.165638	C.346956	C.394207	-2.231969	-1.689924	2.358050	0.835223	0.018050
1.20	1.141634	C.375836	C.372452	-2.204133	-1.677347	2.389833	0.844014	-0.010166
1.23	1.118653	C.403758	C.352412	-2.178836	-1.665431	2.421491	0.852423	-0.0385C9
1.26	1.096634	C.43C788	C.333072	-2.155870	-1.654124	2.453034	0.860473	-0.066966
1.29	1.075520	C.456987	C.314415	-2.135048	-1.643382	2.484472	0.868188	-0.095527
1.32	1.055258	C.4824C8	C.296427	-2.116199	-1.633162	2.515815	0.875586	-0.124184
1.35	1.035799	C.5071C1	C.279040	-2.099167	-1.623428	2.547071	0.882688	-0.152928

Y=0.50

UNIT EDGE LACING MATRIX

TABLE 3

GAMMA= 0.50

NYX=1

RY=1

EPSILON	A11	B11	A21	B21	A12	B12	A22	B22
0.01	-0.001411	C.C0141C	-7.088661	0.C01410	-0.C01428	C.000014	-0.070901	0.CC0014
0.02	-0.004005	C.C03994	-5.00C369	0.C03994	-C.C040C80	C.000074	-0.1C0087	0.CC0074
0.03	-0.007370	C.C07322	-4.083153	0.C07322	-C.C07570	C.000194	-0.122714	0.CC00194
0.04	-0.011368	C.C11242	-3.536382	0.C11242	-C.C011769	C.000379	-0.141903	0.C000379
0.05	-0.015919	C.C15655	-3.163656	0.C15655	-C.C16609	C.000629	-0.158951	0.C000629
0.06	-0.020966	C.C2C486	-2.888853	0.C2C486	-C.C220451	C.C00939	-0.174551	0.C000939
0.07	-0.026463	0.C25674	-2.675592	C.C25674	-C.C28046	0.001302	-0.189071	0.001302
0.08	-0.032367	0.C31165	-2.504011	0.C31165	-C.C34589	C.C01707	-0.202783	C.C01707
0.09	-0.038634	0.C369C6	-2.362206	0.C369C6	-C.C41653	C.002140	-0.215869	0.CC02140
0.10	-0.045217	C.C42847	-2.242542	C.C42847	-C.C49221	C.002586	-0.228460	0.CC2586
0.11	-0.052061	C.C48939	-2.139867	0.C48939	-C.C57272	C.003027	-0.240653	0.C003027
0.12	-0.0591C5	C.C55121	-2.05C555	0.C55121	-C.C65785	C.003441	-0.252518	C.C003441
0.13	-0.066280	0.C61372	-1.971962	C.C61372	-C.C74735	C.0038C7	-0.2641C7	0.CC038C7
0.14	-0.0735C7	0.C67614	-1.902103	0.C67614	-C.C84056	C.004101	-0.275456	0.C004101
0.15	-0.080659	C.C738C6	-1.839451	C.C738C6	-C.C93831	0.004298	-0.286588	0.CC04298
0.16	-0.087759	0.C799C1	-1.782806	0.C799C1	-C.C103903	0.004374	-0.297516	0.C004374
0.17	-0.094587	C.C85856	-1.731204	0.C85856	-0.114266	C.004304	-0.308242	0.CC04304
0.18	-0.101075	0.C91629	-1.683860	C.C91629	-C.C18761	C.004065	-0.318761	0.CC04065
0.19	-0.107114	C.C97186	-1.640127	0.C97186	-C.135658	C.003633	-0.329059	0.CC03633
0.20	-0.112597	0.102498	-1.599462	0.102498	-0.146569	0.C02992	-0.339118	0.CC02992
0.21	-0.117420	0.107545	-1.561412	0.107545	-0.157540	C.002123	-0.348917	0.CC02123
0.22	-0.121488	C.112314	-1.525591	C.112314	-0.1685C3	0.001016	-0.358430	0.CC01016
0.23	-0.124717	0.1168C0	-1.491675	0.1168C0	-0.179351	-0.000338	-0.367628	-0.000338
0.24	-0.127034	0.1210C7	-1.459391	0.1210C7	-C.190137	-0.C01941	-0.376485	-0.CC01941
0.25	-0.128384	0.124947	-1.428508	0.124947	-C.200676	-C.003793	-0.384974	-0.CC03793
0.26	-0.128729	0.128636	-1.398835	0.128636	-C.210947	-C.C05888	-0.393071	-C.CC05888
0.27	-0.128047	C.1321C0	-1.370215	0.1321C0	-0.220895	-C.008215	-0.400753	-C.C08215
0.28	-0.126335	0.135364	-1.342519	C.135364	-C.230469	-C.010761	-0.408003	-0.010761
0.29	-0.1236C5	0.138459	-1.315645	0.138459	-C.239626	-C.013511	-0.414806	-0.C13511
0.30	-0.119884	C.141417	-1.289512	C.141417	-C.248330	-C.016444	-0.421152	-0.C16444
0.31	-0.115213	C.144268	-1.264058	0.144268	-C.256532	-C.019540	-0.427035	-0.019540
0.32	-0.109642	0.147043	-1.239235	0.147043	-0.264271	-C.022778	-0.432455	-0.022778
0.33	-0.103231	0.149772	-1.215010	C.149772	-0.271470	-C.026136	-0.437413	-0.026136
0.34	-0.096046	0.152479	-1.191358	0.152479	-C.278141	-C.029592	-0.441915	-C.C29592
0.35	-0.088156	0.155189	-1.168263	0.155189	-0.284280	-C.033123	-0.445970	-0.033123
0.36	-0.079632	0.157922	-1.145714	0.157922	-C.289850	-C.036709	-0.449589	-0.036709
0.37	-0.070549	0.160694	-1.123705	0.160694	-C.294977	-C.040331	-0.452787	-C.C40331
0.38	-0.060977	C.163520	-1.102233	C.163520	-C.299549	-C.043970	-0.455578	-0.043970
0.39	-0.050985	0.166410	-1.081297	C.166410	-C.303622	-C.047610	-0.457979	-0.047610
0.40	-0.040642	C.169372	-1.060896	0.169372	-0.3072C9	-C.051235	-0.460009	-0.051235
0.41	-0.030010	0.172412	-1.04103C	0.172412	-C.312938	-C.054830	-0.461684	-0.054830
0.42	-0.019149	C.175533	-1.021649	0.175533	-C.312938	-C.058385	-0.463025	-C.C58385
0.43	-0.008115	0.178736	-1.002903	0.178736	-C.315238	-C.061889	-0.464050	-0.061889
0.44	0.003043	0.182021	-C.984639	0.182021	-C.317069	-C.065331	-0.464776	-0.065331
0.45	C.014278	0.185385	-C.966906	C.185385	-0.318512	-C.0687C3	-0.465223	-0.0687C3

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA = 0.50      NYX=1      RY=1

EPSILON	A11	B11	NYX=1	A21	B21	A12	B12	RY=1	A22	B22
0.48	0.048043	0.195922	-C.916854	0.195922	0.320718	-0.078343	-0.078343	-0.465063	-0.078343	-0.078343
0.51	0.081228	0.207023	-C.871402	0.207023	0.320162	-0.087176	-0.087176	-0.462991	-0.087176	-0.087176
0.54	0.113206	0.218534	-C.830340	0.218534	0.317347	-0.095144	-0.095144	-0.459400	-0.095144	-0.095144
0.57	0.143581	0.230299	-C.793410	0.230299	0.312720	-0.102235	-0.102235	-0.454622	-0.102235	-0.102235
0.60	0.172132	0.242173	-C.760323	0.242173	0.306663	-0.108471	-0.108471	-0.448932	-0.108471	-0.108471
0.63	0.198763	0.254032	-C.730779	0.254032	0.299503	-0.113896	-0.113896	-0.442558	-0.113896	-0.113896
0.66	0.223468	0.265776	-C.704480	0.265776	0.291509	-0.118563	-0.118563	-0.435682	-0.118563	-0.118563
0.69	0.246299	0.277326	-C.681138	0.277326	0.282907	-0.122532	-0.122532	-0.428452	-0.122532	-0.122532
0.72	0.267345	0.288624	-C.660478	0.288624	0.273880	-0.125865	-0.125865	-0.420985	-0.125865	-0.125865
0.75	0.286720	0.299628	-C.642246	0.299628	0.264578	-0.128622	-0.128622	-0.413377	-0.128622	-0.128622
0.78	0.304546	0.310310	-C.626207	0.310310	0.255124	-0.130863	-0.130863	-0.405700	-0.130863	-0.130863
0.81	0.320951	0.320656	-C.612146	0.320656	0.245615	-0.132641	-0.132641	-0.398014	-0.132641	-0.132641
0.84	0.336062	0.330659	-C.599867	0.330659	0.236132	-0.134007	-0.134007	-0.390364	-0.134007	-0.134007
0.87	0.350001	0.340319	-C.589193	0.340319	0.226736	-0.135009	-0.135009	-0.382786	-0.135009	-0.135009
0.90	0.362883	0.349643	-C.579964	0.349643	0.217478	-0.135689	-0.135689	-0.375308	-0.135689	-0.135689
0.93	0.374816	0.358641	-C.572036	0.358641	0.208396	-0.136085	-0.136085	-0.367949	-0.136085	-0.136085
0.96	0.385898	0.367326	-C.565278	0.367326	0.199520	-0.136234	-0.136234	-0.360727	-0.136234	-0.136234
0.99	0.396222	0.375712	-C.559573	0.375712	0.190873	-0.136166	-0.136166	-0.353652	-0.136166	-0.136166
1.02	0.405868	0.383815	-C.554817	0.383815	0.182470	-0.135910	-0.135910	-0.346732	-0.135910	-0.135910
1.05	0.414913	0.391651	-C.550914	0.391651	0.174325	-0.135491	-0.135491	-0.339973	-0.135491	-0.135491
1.08	0.423422	0.399237	-C.547779	0.399237	0.166444	-0.134932	-0.134932	-0.333379	-0.134932	-0.134932
1.11	0.431458	0.406590	-C.545336	0.406590	0.158830	-0.134253	-0.134253	-0.326951	-0.134253	-0.134253
1.14	0.439072	0.413724	-C.543514	0.413724	0.151487	-0.133473	-0.133473	-0.320690	-0.133473	-0.133473
1.17	0.446313	0.420656	-C.542253	0.420656	0.144412	-0.132607	-0.132607	-0.314595	-0.132607	-0.132607
1.20	0.453224	0.427398	-C.541496	0.427398	0.137603	-0.131669	-0.131669	-0.308666	-0.131669	-0.131669
1.23	0.459842	0.433966	-C.541193	0.433966	0.131056	-0.130673	-0.130673	-0.302899	-0.130673	-0.130673
1.26	0.466201	0.440372	-C.541297	0.440372	0.124766	-0.129629	-0.129629	-0.297292	-0.129629	-0.129629
1.29	0.472329	0.446626	-C.541769	0.446626	0.118728	-0.128547	-0.128547	-0.291843	-0.128547	-0.128547
1.32	0.478252	0.452742	-C.542571	0.452742	0.112933	-0.127436	-0.127436	-0.286549	-0.127436	-0.127436
1.35	0.483993	0.458727	-C.543670	0.458727	0.107376	-0.126302	-0.126302	-0.281405	-0.126302	-0.126302

γ=0.50

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA= 0.5C

MYY=1

NY=1

EPSILON	A13	B13	A23	E23	A14	B14	A24	B24
0.01	-C.01C0C4	C.0C9956	-C.000198	0.C09956	-0.C000C8	C.0000C0	-0.0CC172	-1.C000C0
0.02	-0.02C031	0.C19969	-C.000786	0.C19969	-0.C00066	0.000002	-0.00C705	-0.999998
0.03	-0.0301C4	0.C29854	-C.001753	0.C29854	-0.C00226	0.000009	-0.001582	-0.999991
0.04	-0.040242	0.C39751	-C.003088	0.C39751	-0.C00544	0.C00029	-0.002822	-0.999971
0.05	-C.05C464	0.C49514	-C.004781	0.C49514	-C.C01079	C.00C068	-0.00C431	-0.999932
0.06	-0.060784	0.C59160	-C.006821	0.C59160	-0.C01891	C.000135	-0.00C647	-0.999865
0.07	-0.071216	0.C68665	-C.009197	0.C68665	-0.C03047	0.000242	-0.008794	-0.999758
0.08	-C.081768	0.C780C3	-C.011895	0.C780C3	-0.C04612	C.000398	-0.011577	-0.999602
0.09	-C.092444	0.C87146	-C.014901	0.C87146	-C.C06656	C.00C612	-0.014780	-0.999388
0.10	-0.103246	0.C96067	-C.018201	0.C96067	-C.C09251	C.000892	-0.018423	-0.999108
0.11	-C.114168	0.104736	-C.021775	0.104736	-C.C12466	C.001247	-0.022521	-0.998753
0.12	-0.1252C1	C.113123	-C.025606	C.113123	-C.C16373	C.001678	-0.027094	-0.998322
0.13	-C.136330	C.121199	-C.029669	C.121199	-0.C21041	C.002189	-0.032157	-0.997811
0.14	-C.147535	C.128932	-C.033939	0.128932	-C.C26533	C.002775	-0.037724	-0.997225
0.15	-0.158788	0.136294	-C.038387	0.136294	-C.C329C7	C.003429	-0.043805	-0.996571
0.16	-C.170058	C.143255	-C.042982	C.143255	-C.C40214	C.004139	-0.05C405	-C.995861
0.17	-C.1813C9	0.149750	-C.047685	0.149750	-C.C48452	C.004888	-0.057522	-0.995112
0.18	-C.192499	0.155878	-C.052472	0.155878	-C.C57769	C.005654	-0.065150	-0.994346
0.19	-C.203583	0.161497	-C.057292	0.161497	-C.C68055	C.006410	-0.073270	-0.993590
0.20	-C.214514	C.166636	-C.062109	0.166636	-C.C79347	C.007126	-0.081858	-0.992874
0.21	-0.225244	C.171285	-C.066883	C.171285	-C.C91623	0.007768	-0.090880	-0.992232
0.22	-C.235724	C.175441	-C.071574	0.175441	-C.104846	C.C08302	-0.100292	-0.991698
0.23	-C.245910	C.1791C7	-C.076146	0.1791C7	-0.118960	C.008690	-0.110044	-0.991310
0.24	-C.255756	0.182290	-C.080562	0.182290	-0.133894	C.008899	-0.12C075	-0.9911C1
0.25	-C.265223	C.1850C5	-C.084791	C.1850C5	-C.149567	C.008895	-0.130323	-0.9911C5
0.26	-C.274278	0.187271	-C.088804	0.187271	-C.165882	C.008650	-0.14C718	-0.991350
0.27	-C.282850	0.1891C9	-C.092578	0.1891C9	-C.182739	C.008137	-0.151190	-0.991863
0.28	-C.291036	0.19C547	-C.096092	0.190547	-C.200029	C.C07337	-0.161667	-0.992663
0.29	-C.2987C1	C.191611	-C.099333	C.191611	-0.217642	0.006234	-0.172080	-0.993766
0.30	-C.305873	C.192333	-C.102290	0.192333	-C.235471	C.004821	-0.182360	-0.995179
0.31	-C.312548	C.192743	-C.104957	0.192743	-0.2534C9	C.003092	-0.192445	-0.9969C8
0.32	-C.318725	0.192873	-C.107333	0.192873	-C.271355	C.001050	-0.202276	-0.998950
0.33	-C.3244C9	C.192752	-C.109418	C.192752	-0.289216	-0.001300	-0.211800	-1.C01300
0.34	-C.329610	0.192410	-C.111217	0.192410	-0.306905	-C.003947	-0.22C971	-1.C03947
0.35	-C.334340	0.191875	-C.112738	0.191875	-0.324344	-C.C06878	-0.229749	-1.C06878
0.36	-C.338615	0.191174	-C.113990	0.191174	-0.341464	-C.010076	-0.2381C0	-1.C1C076
0.37	-C.342451	C.19C320	-C.114983	0.190330	-0.358207	-C.013523	-0.245998	-1.C13523
0.38	-C.345869	C.189368	-C.115730	0.189368	-0.374522	-C.017198	-0.253421	-1.C17198
0.39	-C.348887	C.1883C7	-C.116243	0.1883C7	-0.390366	-C.021082	-0.260352	-1.C21082
0.40	-C.351528	0.187165	-C.116636	0.187165	-C.4057C6	-C.025152	-0.266782	-1.C25152
0.41	-C.353812	C.185960	-C.116523	C.185960	-C.420514	-C.029387	-0.272703	-1.C29387
0.42	-C.355762	0.1847C7	-C.116516	0.1847C7	-C.434771	-C.033767	-0.278115	-1.033767
0.43	-0.357357	0.183418	-C.116230	C.183418	-0.448464	-C.038270	-0.283017	-1.C38270
0.44	-0.358739	C.1821C4	-C.115778	0.1821C4	-0.461583	-C.042877	-0.287414	-1.C42877
0.45	-C.3598C7	C.18C777	-C.115173	0.18C777	-0.474126	-0.047569	-0.291313	-1.C47569

UNIT EDGE LOADING MATRIX

TABLE 3		NY=1									
GAMMA= 0.5C		MYY=1									
EPSILON	A13	B13	A23	B23	A14	B14	A24	B24			
0.48	-C.361561	C.176791	-C.112558	C.176791	-C.508319	-C.061986	-0.3CC118	-1.061986			
0.51	-C.3615C2	C.172923	-C.108974	C.172923	-C.537533	-C.076606	-0.304851	-1.076606			
0.54	-C.36C034	0.165279	-C.104674	C.169279	-C.562125	-C.091112	-0.305902	-1.091112			
0.57	-C.357493	0.165912	-C.099866	0.165912	-C.582546	-C.105276	-0.303681	-1.105276			
0.60	-C.354152	C.162844	-C.094714	C.162844	-C.599280	-C.118942	-0.298591	-1.118942			
0.63	-C.350230	C.16C076	-C.089348	0.16C076	-C.6128C8	-C.132013	-0.291009	-1.132013			
0.66	-C.345899	0.157598	-C.083869	C.157598	-C.623587	-C.144440	-0.281277	-1.144440			
0.69	-C.341298	C.155350	-C.078353	0.155350	-C.632C42	-C.156206	-0.269698	-1.156206			
0.72	-C.336533	0.153431	-C.072R6C	C.153431	-C.638553	-C.167320	-0.256543	-1.167320			
0.75	-C.331688	0.151697	-C.067432	C.151697	-C.643465	-C.1778C8	-0.242044	-1.1778C8			
0.78	-C.326825	0.15C164	-C.062103	0.150164	-C.647078	-C.187707	-0.226407	-1.187707			
0.81	-C.321955	C.148812	-C.056896	0.148812	-C.649658	-C.197064	-0.209807	-1.197064			
0.84	-C.317233	C.147618	-C.051826	C.147618	-C.651425	-C.205927	-0.192398	-1.205927			
0.87	-C.312566	0.146566	-C.046905	0.146566	-C.6526C9	-C.214349	-0.174311	-1.214349			
0.90	-C.308014	0.145627	-C.04214C	C.145627	-C.653353	-C.222382	-0.155661	-1.222382			
0.93	-C.303591	C.144816	-C.037534	C.144816	-C.653814	-C.230077	-0.136546	-1.230077			
0.96	-C.2953C6	0.144090	-C.033088	0.144090	-C.654118	-C.237483	-0.117053	-1.237483			
0.99	-C.2951C3	C.143447	-C.028801	0.143447	-C.654372	-C.244646	-0.097255	-1.244646			
1.02	-C.291166	0.142876	-C.024672	C.142876	-C.654666	-C.251611	-0.077219	-1.251611			
1.05	-C.287314	0.142369	-C.020696	C.142369	-C.655075	-C.258417	-0.056999	-1.258417			
1.08	-C.2836C6	C.141917	-C.016871	C.141917	-C.655662	-C.265102	-0.036646	-1.265102			
1.11	-C.28C041	0.141513	-C.013192	C.141513	-C.656477	-C.2717C1	-0.016203	-1.271701			
1.14	-C.276613	C.141152	-C.009653	0.141152	-C.657561	-C.278243	0.004293	-1.278243			
1.17	-C.273320	0.14C827	-C.006250	0.14C827	-C.658947	-C.284758	0.024810	-1.284758			
1.20	-C.27C157	0.14C535	-C.002977	C.14C535	-C.660650	-C.291268	0.045318	-1.291268			
1.23	-C.267118	0.14C071	C.00017C	0.14C071	-C.662718	-C.297797	0.065792	-1.297797			
1.26	-C.264159	0.14C032	C.003196	0.14C032	-C.665135	-C.304364	0.086212	-1.304364			
1.29	-C.261395	0.139815	C.006108	0.139815	-C.667919	-C.310984	0.106558	-1.310984			
1.32	-C.2587C0	C.139617	-C.008909	C.139617	-C.671073	-C.317672	0.126814	-1.317672			
1.35	-C.256110	0.139436	C.011605	C.139436	-C.674598	-C.324441	0.146967	-1.324441			

129

γ=0.50

TABLE 2.1

EPSILON	GAMMA= 0.75	DISPLACEMENT L				R(Y)			
		REAL F1	IMAG F1	REAL F2	IMAG F2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.01	-C.00C355	3.333333	9995.999878	1.726928	-1298.784714	1299.291443	-0.00C001	-0.00C001	-0.00C001
0.02	-C.001452	3.333332	3746.693237	1.330463	-458.511968	459.647118	-0.00C011	-0.00C011	-0.00C011
0.03	-C.003267	3.333324	1666.522888	1.333082	-249.550608	250.450691	-0.00C044	-0.00C044	-0.00C044
0.04	-C.005807	3.333305	937.543549	1.333121	-161.861530	162.900702	-0.00C121	-0.00C121	-0.00C121
0.05	-C.009074	3.333263	595.999535	1.333055	-115.610925	116.772807	-0.00C264	-0.00C264	-0.00C264
0.06	-C.013064	3.333187	416.684475	1.333247	-87.455639	89.028432	-0.00C499	-0.00C499	-0.00C499
0.07	-C.017780	3.333062	306.140369	1.333106	-69.459730	70.834262	-0.00C856	-0.00C856	-0.00C856
0.08	-C.023218	3.332871	234.397411	1.332841	-56.682861	58.152290	-0.00C135	-0.00C135	-0.00C135
0.09	-C.029377	3.332593	185.214581	1.332565	-47.343609	48.901996	-0.00C206	-0.00C206	-0.00C206
0.10	-C.036252	3.332206	150.036257	1.332209	-40.271352	41.913781	-0.00C297	-0.00C297	-0.00C297
0.11	-C.043841	3.331684	124.010845	1.331666	-34.762641	36.484875	-0.00C415	-0.00C415	-0.00C415
0.12	-C.052136	3.331000	104.218819	1.331013	-30.371912	32.170236	-0.00C562	-0.00C562	-0.00C562
0.13	-C.061130	3.330124	88.818556	1.330138	-26.804660	28.675759	-0.00C741	-0.00C741	-0.00C741
0.14	-C.070813	3.329023	76.601472	1.329022	-23.859239	25.800117	-0.00C932	-0.00C932	-0.00C932
0.15	-C.081172	3.327665	66.747837	1.327664	-21.393427	23.401336	-0.012242	-0.012242	-0.012242
0.16	-C.092151	3.326014	58.685947	1.326009	-19.304338	21.376727	-0.015314	-0.015314	-0.015314
0.17	-C.103854	3.324033	52.006968	1.324034	-17.515858	19.650373	-0.018889	-0.018889	-0.018889
0.18	-C.116137	3.321685	46.412446	1.321682	-15.970775	18.165063	-0.023007	-0.023007	-0.023007
0.19	-C.129017	3.318933	41.680264	1.318930	-14.625025	16.876953	-0.027707	-0.027707	-0.027707
0.20	-C.142463	3.315738	37.642463	1.315738	-13.444466	15.751928	-0.033027	-0.033027	-0.033027
0.21	-C.156442	3.312065	34.170053	1.312065	-12.402145	14.763092	-0.039003	-0.039003	-0.039003
0.22	-C.170919	3.307878	31.162659	1.307876	-11.476556	13.888980	-0.045666	-0.045666	-0.045666
0.23	-C.185853	3.303142	28.541241	1.303143	-10.650352	13.112271	-0.053046	-0.053046	-0.053046
0.24	-C.201198	3.297827	26.242866	1.297828	-9.509359	12.418850	-0.061168	-0.061168	-0.061168
0.25	-C.216908	3.291906	24.216910	1.291906	-9.242076	11.797109	-0.070052	-0.070052	-0.070052
0.26	-C.232931	3.285353	22.422281	1.285352	-8.638755	11.237422	-0.079715	-0.079715	-0.079715
0.27	-C.249214	3.278149	20.825348	1.278149	-8.091381	10.731743	-0.090167	-0.090167	-0.090167
0.28	-C.265701	3.270277	19.398356	1.270277	-7.593184	10.273300	-0.101415	-0.101415	-0.101415
0.29	-C.282335	3.261729	18.118247	1.261729	-7.138422	9.856357	-0.113458	-0.113458	-0.113458
0.30	-C.299059	3.252458	16.965728	1.252458	-6.722204	9.476023	-0.126290	-0.126290	-0.126290
0.31	-C.315813	3.242585	15.924556	1.242585	-6.340331	9.128107	-0.139902	-0.139902	-0.139902
0.32	-C.332542	3.231994	14.980981	1.231994	-5.989184	8.808999	-0.154277	-0.154277	-0.154277
0.33	-C.349187	3.220738	14.123294	1.220738	-5.665622	8.515574	-0.169396	-0.169396	-0.169396
0.34	-C.365697	3.208830	13.341477	1.208830	-5.366910	8.245112	-0.185231	-0.185231	-0.185231
0.35	-C.382018	3.196293	12.626917	1.196293	-5.090653	7.995243	-0.201756	-0.201756	-0.201756
0.36	-C.398102	3.183150	11.972178	1.183150	-4.834744	7.763887	-0.218937	-0.218937	-0.218937
0.37	-C.413904	3.169430	11.370809	1.169430	-4.597324	7.549218	-0.236739	-0.236739	-0.236739
0.38	-C.429384	3.155164	10.817198	1.155164	-4.376743	7.349624	-0.255125	-0.255125	-0.255125
0.39	-C.444504	3.140387	10.306439	1.140387	-4.171536	7.163680	-0.274056	-0.274056	-0.274056
0.40	-C.459232	3.125135	9.839323	1.125135	-3.980392	6.990122	-0.293491	-0.293491	-0.293491
0.41	-C.473540	3.109445	9.396802	1.109445	-3.802140	6.827826	-0.313391	-0.313391	-0.313391
0.42	-C.487403	3.093357	8.990806	1.093357	-3.635727	6.675793	-0.333715	-0.333715	-0.333715
0.43	-C.500802	3.076909	8.613297	1.076909	-3.480206	6.533127	-0.354423	-0.354423	-0.354423
0.44	-C.513721	3.060141	8.261656	1.060141	-3.334721	6.399028	-0.375475	-0.375475	-0.375475
0.45	-C.526148	3.043092	7.933557	1.043092	-3.198498	6.272780	-0.396834	-0.396834	-0.396834



CHARACTERISTIC COEFFICIENTS

TABLE 2.1

GAMMA= 0.75

R (Y)

DISPLACEMENT L

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.48	-0.560415	2.590628	7.070833	0.590628	-2.838705	5.935012	-0.462392	-0.975449				
0.51	-0.590146	2.536919	6.357160	0.536918	-2.540534	5.648207	-0.529499	-1.018687				
0.54	-0.615482	2.482784	5.759516	0.482784	-2.291963	5.401809	-0.597420	-1.056193				
0.57	-0.636692	2.428856	5.253499	0.428856	-2.083739	5.187901	-0.665587	-1.088340				
0.60	-0.654122	2.375777	4.820790	0.375777	-1.908655	5.000464	-0.733576	-1.115551				
0.63	-0.668149	2.323819	4.447435	0.323818	-1.761041	4.834858	-0.801090	-1.138260				
0.66	-0.679152	2.273298	4.122680	0.273298	-1.636397	4.687459	-0.867935	-1.156887				
0.69	-0.687499	2.224404	3.838098	0.224404	-1.531118	4.555402	-0.933999	-1.171833				
0.72	-0.693529	2.177251	3.587048	0.177251	-1.442291	4.436393	-0.999231	-1.183463				
0.75	-0.697552	2.131900	3.364219	0.131859	-1.367549	4.328580	-1.063624	-1.192110				
0.78	-0.699844	2.088367	3.165328	0.088367	-1.304946	4.230448	-1.127207	-1.198075				
0.81	-0.700653	2.046642	2.986890	0.046642	-1.252880	4.140745	-1.190032	-1.201626				
0.84	-0.700153	2.006689	2.826044	0.006689	-1.210016	4.058430	-1.252163	-1.203004				
0.87	-0.698652	1.968460	2.680421	0.000000	-1.175237	3.982631	-1.313678	-1.202423				
0.90	-0.696156	1.931854	2.548048	0.000000	-1.147603	3.912607	-1.374659	-1.200076				
0.93	-0.692965	1.896925	2.427271	0.000000	-1.126318	3.847731	-1.435188	-1.196136				
0.96	-0.689084	1.863484	2.316688	0.000000	-1.110705	3.787461	-1.495348	-1.190757				
0.99	-0.684657	1.831500	2.215113	0.000000	-1.100183	3.731333	-1.555222	-1.184078				
1.02	-0.679776	1.800902	2.121529	0.000902	-1.094253	3.678942	-1.614886	-1.176228				
1.05	-0.674520	1.771620	2.035065	0.001620	-1.092484	3.629937	-1.674415	-1.167321				
1.08	-0.668958	1.743587	1.954967	0.003587	-1.094500	3.584009	-1.733877	-1.157461				
1.11	-0.663148	1.716738	1.880582	0.006738	-1.099975	3.540887	-1.793336	-1.146745				
1.14	-0.657139	1.691010	1.811341	0.011010	-1.108623	3.500330	-1.852852	-1.135260				
1.17	-0.650976	1.666344	1.746747	0.016344	-1.120192	3.462126	-1.912478	-1.123087				
1.20	-0.644695	1.642684	1.686362	0.022684	-1.134461	3.426085	-1.972263	-1.110299				
1.23	-0.638329	1.619976	1.629803	0.031976	-1.151233	3.392038	-2.032250	-1.096966				
1.26	-0.631904	1.598169	1.576727	0.041831	-1.170333	3.359833	-2.092480	-1.083149				
1.29	-0.625445	1.577216	1.526833	0.052784	-1.191605	3.329332	-2.152987	-1.068907				
1.32	-0.618971	1.557072	1.479853	0.0642928	-1.214911	3.300414	-2.213801	-1.054293				
1.35	-0.612500	1.537694	1.435545	0.0762306	-1.240126	3.272965	-2.274949	-1.039356				

CHARACTERISTIC COEFFICIENTS

TABLE 2.2

GAMMA= 0.75

N (XY)

M (YY)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.01	8.659306	-8.661202	-C.113302	0.000018	-0.000018	-150.000000	0.012837	-0.000004				
0.02	6.121004	-6.126448	-C.163349	0.000088	-0.000088	-75.000027	0.026683	-0.000029				
0.03	4.995007	-5.005008	-C.200015	0.000245	-0.000245	-50.000097	0.040006	-0.000098				
0.04	4.337845	-4.337845	-C.222450	0.005033	-0.005033	-37.000329	0.053328	-0.000329				
0.05	3.862270	-3.862270	-C.258197	0.008878	-0.008878	-30.000453	0.066665	-0.000454				
0.06	3.521477	-3.521477	-C.282828	0.01386	-0.01386	-25.000784	0.079990	-0.000784				
0.07	3.255593	-3.255593	-C.305481	0.02037	-0.02037	-21.429816	0.093314	-0.001245				
0.08	3.040323	-3.040323	-C.320555	0.02844	-0.02844	-18.751857	0.106630	-0.001857				
0.09	2.861125	-2.861125	-C.346335	0.03817	-0.03817	-16.669310	0.119933	-0.002644				
0.10	2.708699	-2.708699	-C.369028	0.04966	-0.04966	-15.003625	0.133221	-0.003625				
0.11	2.576783	-2.576783	-C.382786	0.06299	-0.06299	-13.641186	0.146485	-0.004822				
0.12	2.460948	-2.460948	-C.399726	0.07826	-0.07826	-12.506256	0.159720	-0.006256				
0.13	2.358135	-2.358135	-C.415941	0.09553	-0.09553	-11.546408	0.172916	-0.007947				
0.14	2.265862	-2.265862	-C.431503	0.11487	-0.11487	-10.724199	0.186063	-0.009914				
0.15	2.182368	-2.182368	-C.446470	0.13636	-0.13636	-10.012176	0.199150	-0.012176				
0.16	2.106259	-2.106259	-C.460889	0.16002	-0.16002	-9.389751	0.212162	-0.014751				
0.17	2.036436	-2.036436	-C.474796	0.18592	-0.18592	-8.841184	0.225086	-0.017655				
0.18	1.972017	-1.972017	-C.488223	0.21409	-0.21409	-8.354238	0.237903	-0.020903				
0.19	1.912292	-1.912292	-C.501194	0.24455	-0.24455	-7.919250	0.250597	-0.024513				
0.20	1.856676	-1.856676	-C.513728	0.27731	-0.27731	-7.528492	0.263148	-0.028493				
0.21	1.804689	-1.804689	-C.525842	0.31238	-0.31238	-7.175710	0.275534	-0.032853				
0.22	1.755928	-1.755928	-C.537547	0.34973	-0.34973	-6.855784	0.287733	-0.037602				
0.23	1.710055	-1.710055	-C.548852	0.38941	-0.38941	-6.564485	0.299723	-0.042746				
0.24	1.666785	-1.666785	-C.559767	0.43132	-0.43132	-6.298288	0.311479	-0.048288				
0.25	1.625874	-1.625874	-C.570295	0.47543	-0.47543	-6.054227	0.322976	-0.054227				
0.26	1.587112	-1.587112	-C.580442	0.52169	-0.52169	-5.829793	0.334192	-0.060562				
0.27	1.550319	-1.550319	-C.590211	0.57003	-0.57003	-5.622843	0.345100	-0.067288				
0.28	1.515339	-1.515339	-C.599605	0.62038	-0.62038	-5.431539	0.355678	-0.074396				
0.29	1.482035	-1.482035	-C.608626	0.67264	-0.67264	-5.254291	0.365901	-0.081877				
0.30	1.450285	-1.450285	-C.617277	0.72672	-0.72672	-5.089718	0.375749	-0.089718				
0.31	1.419984	-1.419984	-C.625559	0.78252	-0.78252	-4.936612	0.385201	-0.097902				
0.32	1.391037	-1.391037	-C.633477	0.83991	-0.83991	-4.793913	0.394238	-0.106413				
0.33	1.363359	-1.363359	-C.641032	0.89880	-0.89880	-4.660686	0.402843	-0.115232				
0.34	1.336873	-1.336873	-C.648228	0.95905	-0.95905	-4.536102	0.411002	-0.124337				
0.35	1.311509	-1.311509	-C.655071	0.102055	-0.102055	-4.419421	0.418703	-0.133706				
0.36	1.287204	-1.287204	-C.661564	0.108317	-0.108317	-4.309984	0.425934	-0.143317				
0.37	1.263900	-1.263900	-C.667713	0.114678	-0.114678	-4.207199	0.432689	-0.153145				
0.38	1.241543	-1.241543	-C.673524	0.121129	-0.121129	-4.110535	0.438962	-0.163166				
0.39	1.220084	-1.220084	-C.678904	0.127655	-0.127655	-4.019511	0.444751	-0.173357				
0.40	1.199476	-1.199476	-C.684161	0.134247	-0.134247	-3.933693	0.450054	-0.183693				
0.41	1.179675	-1.179675	-C.689002	0.140893	-0.140893	-3.852688	0.454872	-0.194151				
0.42	1.160642	-1.160642	-C.693535	0.147584	-0.147584	-3.776138	0.459210	-0.204709				
0.43	1.142338	-1.142338	-C.697770	0.154309	-0.154309	-3.703717	0.463071	-0.215345				
0.44	1.124727	-1.124727	-C.701714	0.161061	-0.161061	-3.635128	0.466462	-0.226037				
0.45	1.107775	-1.107775	-C.705378	0.167830	-0.167830	-3.570100	0.469391	-0.236767				

CHARACTERISTIC COEFFICIENTS

TABLE 2.2

GAMMA= 0.75

N (XY)

M (YY)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.48	1.060563	-1.600093	-0.714779	0.188169	-1.435501	-3.393999	0.475501	-0.268999				
0.51	1.018232	-1.592050	-0.721932	0.208433	-1.497828	-3.242151	0.477828	-0.300974				
0.54	0.980119	-1.586612	-0.727266	0.228500	-1.556703	-3.110138	0.476704	-0.332360				
0.57	0.945666	-1.582273	-0.730834	0.248288	-1.612471	-2.994494	0.472471	-0.362915				
0.60	0.914332	-1.581638	-0.732910	0.267750	-1.665466	-2.892473	0.465466	-0.392473				
0.63	0.885851	-1.581354	-0.733686	0.286862	-1.716005	-2.801886	0.456006	-0.420934				
0.66	0.859816	-1.582256	-0.733334	0.305618	-1.764377	-2.720968	0.444377	-0.448240				
0.69	0.835872	-1.584147	-0.732004	0.324024	-1.810839	-2.648288	0.430839	-0.474374				
0.72	0.813805	-1.586789	-0.729828	0.342095	-1.855621	-2.582674	0.415621	-0.499341				
0.75	0.793400	-1.590097	-0.726922	0.359849	-1.898924	-2.523164	0.398925	-0.523164				
0.78	0.774469	-1.593966	-0.723366	0.377308	-1.940926	-2.468956	0.380926	-0.545878				
0.81	0.756854	-1.598314	-0.719310	0.394495	-1.981780	-2.419381	0.361780	-0.567529				
0.84	0.740416	-1.603070	-0.714771	0.411434	-2.021619	-2.373876	0.341619	-0.588162				
0.87	0.725034	-1.608177	-0.709837	0.428146	-2.060560	-2.331966	0.320560	-0.607827				
0.90	0.710604	-1.613587	-0.704570	0.444651	-2.098704	-2.293243	0.298704	-0.626576				
0.93	0.697035	-1.619259	-0.699023	0.460970	-2.136140	-2.257361	0.276140	-0.644458				
0.96	0.684247	-1.625158	-0.693244	0.477119	-2.172944	-2.224020	0.252945	-0.661520				
0.99	0.672170	-1.631256	-0.687275	0.493114	-2.209184	-2.192961	0.229185	-0.677810				
1.02	0.660740	-1.637528	-0.681153	0.508969	-2.244919	-2.163960	0.204920	-0.693371				
1.05	0.649903	-1.643951	-0.674912	0.524655	-2.280200	-2.136818	0.180201	-0.708246				
1.08	0.639610	-1.650508	-0.668582	0.540304	-2.315074	-2.111364	0.155074	-0.722475				
1.11	0.629818	-1.657181	-0.662190	0.555803	-2.349579	-2.087445	0.129579	-0.736094				
1.14	0.620467	-1.663958	-0.655759	0.571159	-2.383751	-2.064928	0.103752	-0.749139				
1.17	0.611582	-1.670825	-0.649311	0.586500	-2.417622	-2.043693	0.077623	-0.761642				
1.20	0.603072	-1.677771	-0.642864	0.601709	-2.451220	-2.023634	0.051221	-0.773634				
1.23	0.594929	-1.684788	-0.636435	0.616830	-2.484569	-2.004657	0.024570	-0.785144				
1.26	0.587126	-1.691865	-0.630038	0.631866	-2.517652	-1.986676	-0.002308	-0.796159				
1.29	0.579640	-1.698997	-0.623585	0.646819	-2.550607	-1.969615	-0.029392	-0.806824				
1.32	0.572451	-1.706175	-0.617389	0.661691	-2.583334	-1.953405	-0.056666	-0.817041				
1.35	0.565540	-1.713355	-0.611158	0.676481	-2.615887	-1.937985	-0.084113	-0.826874				

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$\gamma = 0.75$

## CHARACTERISTIC COEFFICIENTS

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TABLE 2.3

EPSILON	GAMMA= 0.75	DISPLACEMENT V				N(XX)			
		REAL P1	IMAG P1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.01	11.548818	-11.545193	C.147445	-1736.441757	-150.000000	C.032838	0.000004	0.012837	
0.02	8.170226	-8.159697	C.210493	-612.345917	-75.000027	C.066683	0.000029	0.026683	
0.03	6.676315	-6.656980	C.258373	-333.330238	-50.000097	0.100006	0.000098	0.040006	
0.04	5.788331	-5.758568	C.298262	-216.508629	-37.500232	0.133329	0.000232	0.053328	
0.05	5.184660	-5.143063	C.333496	-154.921099	-30.000453	0.166665	0.000454	0.066665	
0.06	4.741163	-4.686486	C.365298	-117.254565	-25.000784	0.199990	0.000784	0.079990	
0.07	4.398427	-4.329531	C.394544	-93.526757	-21.429816	0.233314	0.001245	0.093314	
0.08	4.123960	-4.039757	C.421734	-76.593218	-18.751857	0.266630	0.001857	0.106630	
0.09	3.898293	-3.797886	C.447234	-64.159017	-16.669310	0.299934	0.002644	0.119933	
0.10	3.708948	-3.591382	C.471311	-54.783944	-15.003625	0.333221	0.003625	0.133221	
0.11	3.547506	-3.411921	C.494148	-47.490553	-13.641186	0.366485	0.004822	0.146485	
0.12	3.408048	-3.253634	C.515897	-41.685082	-12.506256	0.399720	0.006256	0.159720	
0.13	3.286271	-3.112266	C.536662	-36.975126	-11.546408	0.432916	0.007947	0.172916	
0.14	3.178959	-2.984646	C.556527	-33.092024	-10.724199	0.466063	0.009914	0.186063	
0.15	3.083652	-2.868357	C.575560	-29.646301	-10.012176	0.499150	0.012176	0.199150	
0.16	2.998425	-2.761521	C.593807	-27.100905	-9.389751	0.532162	0.014751	0.212162	
0.17	2.921749	-2.662653	C.611305	-24.754505	-8.844184	0.565086	0.017655	0.225086	
0.18	2.852368	-2.570563	C.628078	-22.730731	-8.354238	0.597903	0.020905	0.237903	
0.19	2.789329	-2.484288	C.644147	-20.971055	-7.919250	0.630597	0.024513	0.250597	
0.20	2.731731	-2.403035	C.659520	-19.429945	-7.528492	0.663148	0.028493	0.263148	
0.21	2.678889	-2.326152	C.674204	-18.071501	-7.175710	0.695634	0.032853	0.275634	
0.22	2.630204	-2.253094	C.688199	-16.867076	-6.855784	0.727733	0.037602	0.287733	
0.23	2.585166	-2.183404	C.701504	-15.793560	-6.564485	0.759723	0.042746	0.299723	
0.24	2.543333	-2.116699	C.714112	-14.832127	-6.298288	0.791479	0.048288	0.311479	
0.25	2.504322	-2.052655	C.726018	-13.967296	-6.054227	0.822976	0.054227	0.322976	
0.26	2.467800	-1.990997	C.737214	-13.186234	-5.829753	0.854192	0.060562	0.334192	
0.27	2.433474	-1.931494	C.747692	-12.478220	-5.622843	0.885100	0.067288	0.345100	
0.28	2.401086	-1.873946	C.757446	-11.834234	-5.431539	0.915678	0.074396	0.355678	
0.29	2.370411	-1.818188	C.766469	-11.246635	-5.254291	0.945901	0.081877	0.365901	
0.30	2.341246	-1.764075	C.774756	-10.708915	-5.089718	0.975749	0.089718	0.375749	
0.31	2.313417	-1.711488	C.782306	-10.215492	-4.936612	1.005201	0.097902	0.385201	
0.32	2.286767	-1.660325	C.789118	-9.761562	-4.793913	1.034238	0.106413	0.394238	
0.33	2.261158	-1.610498	C.795194	-9.342960	-4.660686	1.062843	0.115232	0.402843	
0.34	2.236469	-1.561933	C.800539	-8.956067	-4.536102	1.091002	0.124337	0.411002	
0.35	2.212595	-1.514569	C.805162	-8.597721	-4.419421	1.118702	0.133706	0.418702	
0.36	2.189444	-1.468350	C.809071	-8.265146	-4.309984	1.145934	0.143317	0.425934	
0.37	2.166933	-1.423232	C.812281	-7.955899	-4.207159	1.172689	0.153145	0.432689	
0.38	2.144995	-1.379175	C.814807	-7.667822	-4.110535	1.198962	0.163166	0.438962	
0.39	2.123568	-1.336144	C.816667	-7.399002	-4.019511	1.224757	0.173357	0.444757	
0.40	2.102601	-1.294107	C.817880	-7.147738	-3.933693	1.250054	0.183693	0.450054	
0.41	2.082049	-1.253039	C.818468	-6.912512	-3.852688	1.274872	0.194151	0.454872	
0.42	2.061876	-1.212913	C.818454	-6.691968	-3.776138	1.299210	0.204709	0.459210	
0.43	2.042050	-1.173707	C.817862	-6.484891	-3.703717	1.323071	0.215345	0.463071	
0.44	2.022544	-1.135359	C.816717	-6.290189	-3.635128	1.346462	0.226037	0.466462	
0.45	2.003337	-1.097968	C.815045	-6.106877	-3.570100	1.369391	0.236767	0.469391	

CHARACTERISTIC COEFFICIENTS

TABLE 2.3

GAMMA= 0.75

EPSILON	REAL		DISPLACEMENT V		IMAG		REAL		IMAG		N (XX)	
	F1	F2	F1	F2	F1	F2	F1	F2	F1	F2	F1	F2
0.48	1.947340	0.807124	-0.990741	0.807124	-5.610828	-3.293959	1.435501	0.268999	0.475501	0.475501	0.475501	0.475501
0.51	1.093542	0.795388	-0.90716	0.795388	-5.201972	-3.242151	1.437828	0.300974	0.477828	0.477828	0.477828	0.477828
0.54	1.041765	0.785003	-0.797351	0.785003	-4.847415	-3.110138	1.556703	0.332360	0.476704	0.476704	0.476704	0.476704
0.57	1.791916	0.703072	-0.710271	0.703072	-4.541815	-2.594494	1.612471	0.362915	0.472471	0.472471	0.472471	0.472471
0.60	1.743949	0.628975	-0.628975	0.628975	-4.276418	-2.892473	1.665466	0.392473	0.465466	0.465466	0.465466	0.465466
0.63	1.697831	0.552736	-0.552736	0.552736	-4.044325	-2.801886	1.716005	0.420234	0.456006	0.456006	0.456006	0.456006
0.66	1.653533	0.481411	-0.481411	0.481411	-3.840310	-2.720928	1.764377	0.448240	0.444377	0.444377	0.444377	0.444377
0.69	1.611021	0.414486	-0.414486	0.414486	-3.659875	-2.648288	1.810839	0.474374	0.430839	0.430839	0.430839	0.430839
0.72	1.570294	0.351579	-0.351579	0.351579	-3.499593	-2.582674	1.855621	0.499341	0.415621	0.415621	0.415621	0.415621
0.75	1.531163	0.292335	-0.292335	0.292335	-3.356675	-2.523164	1.898924	0.523164	0.398925	0.398925	0.398925	0.398925
0.78	1.493754	0.236433	-0.236433	0.236433	-3.228635	-2.468956	1.940926	0.549878	0.380926	0.380926	0.380926	0.380926
0.81	1.457906	0.183382	-0.183382	0.183382	-3.113988	-2.419381	1.981760	0.567529	0.361780	0.361780	0.361780	0.361780
0.84	1.423577	0.133318	-0.133318	0.133318	-3.010166	-2.373876	2.021619	0.588162	0.341619	0.341619	0.341619	0.341619
0.87	1.390703	0.086002	-0.086002	0.086002	-2.916708	-2.331966	2.060560	0.607827	0.320560	0.320560	0.320560	0.320560
0.90	1.359218	0.040820	-0.040820	0.040820	-2.832153	-2.293243	2.098704	0.626576	0.298704	0.298704	0.298704	0.298704
0.93	1.329057	0.002223	0.002223	0.002223	-2.759532	-2.257301	2.136140	0.644458	0.276140	0.276140	0.276140	0.276140
0.96	1.300198	0.043301	0.043301	0.043301	-2.685982	-2.224020	2.172944	0.661520	0.252945	0.252945	0.252945	0.252945
0.99	1.272457	0.082570	0.082570	0.082570	-2.622775	-2.192961	2.209184	0.677810	0.229185	0.229185	0.229185	0.229185
1.02	1.245895	0.120173	0.120173	0.120173	-2.565276	-2.163960	2.244919	0.693371	0.204920	0.204920	0.204920	0.204920
1.05	1.220415	0.156238	0.156238	0.156238	-2.512929	-2.136818	2.280200	0.708246	0.180201	0.180201	0.180201	0.180201
1.08	1.195960	0.190881	0.190881	0.190881	-2.465244	-2.111364	2.315074	0.722475	0.155074	0.155074	0.155074	0.155074
1.11	1.172430	0.224206	0.224206	0.224206	-2.421751	-2.087445	2.349579	0.736094	0.129579	0.129579	0.129579	0.129579
1.14	1.149923	0.256309	0.256309	0.256309	-2.382188	-2.064928	2.383751	0.749139	0.103752	0.103752	0.103752	0.103752
1.17	1.128242	0.287215	0.287215	0.287215	-2.346393	-2.043693	2.417622	0.761642	0.077622	0.077622	0.077622	0.077622
1.20	1.107393	0.317184	0.317184	0.317184	-2.313253	-2.023034	2.451220	0.773634	0.051221	0.051221	0.051221	0.051221
1.23	1.087333	0.346105	0.346105	0.346105	-2.283245	-2.004657	2.484569	0.785144	0.024570	0.024570	0.024570	0.024570
1.26	1.068022	0.374106	0.374106	0.374106	-2.255973	-1.986676	2.517692	0.796199	-0.0020308	-0.0020308	-0.0020308	-0.0020308
1.29	1.049422	0.401244	0.401244	0.401244	-2.231165	-1.969615	2.550607	0.806824	-0.029392	-0.029392	-0.029392	-0.029392
1.32	1.031459	0.427574	0.427574	0.427574	-2.208621	-1.953405	2.583334	0.817041	-0.056666	-0.056666	-0.056666	-0.056666
1.35	1.014217	0.453147	0.453147	0.453147	-2.188159	-1.937959	2.615887	0.826874	-0.084113	-0.084113	-0.084113	-0.084113

TABLE 3

GAMMA= 0.75 NYX=1

RY=1

EPSILON	A11	B11	A21	B21	A12	B12	A22	B22
0.01	-0.000755	0.000755	-8.826006	0.000755	-0.000755	0.000005	-0.058845	0.000005
0.02	-0.002179	0.002176	-6.121910	0.002176	-0.002266	0.000027	-0.081654	0.000027
0.03	-0.004006	0.003992	-4.999762	0.003992	-0.04079	0.000072	-0.100075	0.000072
0.04	-0.006171	0.006136	-4.330575	0.006136	-0.06321	0.000142	-0.115645	0.000142
0.05	-0.008633	0.008559	-3.873432	0.008559	-0.08890	0.000238	-0.129399	0.000238
0.06	-0.011359	0.011223	-3.536340	0.011223	-0.11759	0.000360	-0.141900	0.000360
0.07	-0.014325	0.014101	-3.274369	0.014101	-0.14910	0.000506	-0.153457	0.000506
0.08	-0.017514	0.017169	-3.063340	0.017169	-0.18328	0.000674	-0.164284	0.000674
0.09	-0.020905	0.020404	-2.888682	0.020404	-0.22001	0.000860	-0.174529	0.000860
0.10	-0.024484	0.023789	-2.741040	0.023789	-0.25918	0.001061	-0.184297	0.001061
0.11	-0.028234	0.027304	-2.614135	0.027304	-0.30073	0.001271	-0.193668	0.001271
0.12	-0.032136	0.030931	-2.503550	0.030931	-0.34455	0.001487	-0.202704	0.001487
0.13	-0.036171	0.034653	-2.406085	0.034653	-0.39057	0.001701	-0.211454	0.001701
0.14	-0.040320	0.038452	-2.319346	0.038452	-0.43871	0.001908	-0.219956	0.001908
0.15	-0.044560	0.042312	-2.241504	0.042312	-0.48888	0.002100	-0.228241	0.002100
0.16	-0.048867	0.046215	-2.171139	0.046215	-0.54100	0.002270	-0.236334	0.002270
0.17	-0.053214	0.050143	-2.107118	0.050143	-0.59495	0.002411	-0.244252	0.002411
0.18	-0.057573	0.054080	-2.048530	0.054080	-0.65064	0.002514	-0.252011	0.002514
0.19	-0.061911	0.058009	-1.994630	0.058009	-0.70755	0.002570	-0.259622	0.002570
0.20	-0.066196	0.061913	-1.944801	0.061913	-0.76673	0.002572	-0.267092	0.002572
0.21	-0.070352	0.065776	-1.898526	0.065776	-0.82684	0.002511	-0.274425	0.002511
0.22	-0.074463	0.069583	-1.855369	0.069583	-0.88812	0.002379	-0.281624	0.002379
0.23	-0.078370	0.073320	-1.814956	0.073320	-0.95040	0.002168	-0.288689	0.002168
0.24	-0.082074	0.076975	-1.776967	0.076975	-1.01349	0.001869	-0.295616	0.001869
0.25	-0.085536	0.080536	-1.741124	0.080536	-1.07719	0.001476	-0.302402	0.001476
0.26	-0.088716	0.083953	-1.707185	0.083953	-1.14129	0.000983	-0.309041	0.000983
0.27	-0.091576	0.087338	-1.674938	0.087338	-1.20557	0.000384	-0.315526	0.000384
0.28	-0.094080	0.090567	-1.644197	0.090567	-1.26980	-0.000327	-0.321850	-0.000327
0.29	-0.096154	0.093675	-1.614799	0.093675	-1.33376	-0.001151	-0.328003	-0.001151
0.30	-0.097885	0.096662	-1.586600	0.096662	-1.39721	-0.002093	-0.333977	-0.002093
0.31	-0.099127	0.099527	-1.559473	0.099527	-1.45993	-0.003153	-0.339763	-0.003153
0.32	-0.099854	0.102274	-1.533306	0.102274	-1.52168	-0.004332	-0.345351	-0.004332
0.33	-0.100167	0.104907	-1.508003	0.104907	-1.58224	-0.005628	-0.350732	-0.005628
0.34	-0.099931	0.107434	-1.483478	0.107434	-1.64142	-0.007039	-0.355898	-0.007039
0.35	-0.099175	0.109862	-1.459658	0.109862	-1.69900	-0.008562	-0.360842	-0.008562
0.36	-0.097855	0.112201	-1.436478	0.112201	-1.75481	-0.010192	-0.365556	-0.010192
0.37	-0.096089	0.114461	-1.413864	0.114461	-1.80868	-0.011924	-0.370036	-0.011924
0.38	-0.093763	0.116654	-1.391829	0.116654	-1.86046	-0.013752	-0.374275	-0.013752
0.39	-0.090923	0.118751	-1.370275	0.118751	-1.91003	-0.015668	-0.378272	-0.015668
0.40	-0.087583	0.120884	-1.349188	0.120884	-1.95726	-0.017666	-0.382022	-0.017666
0.41	-0.083758	0.122944	-1.328542	0.122944	-2.00207	-0.019737	-0.385526	-0.019737
0.42	-0.079468	0.124985	-1.308315	0.124985	-2.04438	-0.021874	-0.388783	-0.021874
0.43	-0.074736	0.127015	-1.288488	0.127015	-2.08415	-0.024067	-0.391793	-0.024067
0.44	-0.069585	0.129046	-1.269048	0.129046	-2.12133	-0.026308	-0.394560	-0.026308
0.45	-0.064041	0.131088	-1.249983	0.131088	-2.15590	-0.028590	-0.397087	-0.028590

UNIT EGG LADING MATRIX

TABLE 3

GAMMA = 0.75

NYX=1

RY=1

EPSILON	A11	A12	A21	B21	A12	B12	A22	B22
0.48	-0.045332	0.137357	-1.194971	0.137357	-0.224402	-0.035592	-0.403266	-0.035592
0.51	-0.024105	0.143974	-1.143142	0.143974	-0.230932	-0.042674	-0.407464	-0.042674
0.54	-0.001117	0.151049	-1.094445	0.151049	-0.235322	-0.049656	-0.409867	-0.049656
0.57	0.022950	0.158622	-1.048855	0.158622	-0.237766	-0.056399	-0.410681	-0.056399
0.60	0.047510	0.166682	-1.006339	0.166682	-0.238483	-0.062799	-0.410115	-0.062799
0.63	0.072085	0.175183	-0.966843	0.175183	-0.237694	-0.068782	-0.408371	-0.068782
0.66	0.096307	0.184058	-0.930286	0.184058	-0.235634	-0.074306	-0.405636	-0.074306
0.69	0.119899	0.192230	-0.896560	0.192230	-0.232455	-0.079348	-0.402090	-0.079348
0.72	0.142668	0.202619	-0.865541	0.202619	-0.228468	-0.083904	-0.397853	-0.083904
0.75	0.164486	0.212151	-0.837089	0.212151	-0.223723	-0.087982	-0.393085	-0.087982
0.78	0.185277	0.221757	-0.811055	0.221757	-0.218407	-0.091598	-0.387888	-0.091598
0.81	0.205007	0.231378	-0.787286	0.231378	-0.212646	-0.094776	-0.382361	-0.094776
0.84	0.223673	0.240961	-0.765631	0.240961	-0.206553	-0.097542	-0.376582	-0.097542
0.87	0.241254	0.250466	-0.745940	0.250466	-0.200221	-0.099925	-0.370623	-0.099925
0.90	0.257903	0.259858	-0.728068	0.259858	-0.193730	-0.101955	-0.364540	-0.101955
0.93	0.273548	0.269112	-0.711877	0.269112	-0.187146	-0.103661	-0.358382	-0.103661
0.96	0.288278	0.278206	-0.697236	0.278206	-0.180527	-0.105073	-0.352189	-0.105073
0.99	0.302152	0.287127	-0.684023	0.287127	-0.173919	-0.106216	-0.345994	-0.106216
1.02	0.315224	0.295865	-0.672122	0.295865	-0.167361	-0.107119	-0.339824	-0.107119
1.05	0.327554	0.304414	-0.661426	0.304414	-0.160883	-0.107805	-0.333702	-0.107805
1.08	0.339155	0.312772	-0.651837	0.312772	-0.154512	-0.108297	-0.327647	-0.108297
1.11	0.350202	0.320938	-0.643262	0.320938	-0.148267	-0.108616	-0.321673	-0.108616
1.14	0.360626	0.328915	-0.635617	0.328915	-0.142164	-0.108782	-0.315792	-0.108782
1.17	0.370513	0.336705	-0.628825	0.336705	-0.136216	-0.108812	-0.310014	-0.108812
1.20	0.379908	0.344315	-0.622813	0.344315	-0.130432	-0.108723	-0.304346	-0.108723
1.23	0.388853	0.351747	-0.617516	0.351747	-0.124817	-0.108530	-0.298793	-0.108530
1.26	0.397386	0.359010	-0.612874	0.359010	-0.119377	-0.108244	-0.293361	-0.108244
1.29	0.405541	0.366110	-0.608832	0.366110	-0.114112	-0.107880	-0.288050	-0.107880
1.32	0.413350	0.373052	-0.605340	0.373052	-0.109025	-0.107447	-0.282865	-0.107447
1.35	0.420843	0.379843	-0.602352	0.379843	-0.104113	-0.106955	-0.277805	-0.106955

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Y=0.75

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA= 0.75

MYY=1

NY=1

EPSILON	A13	B13	A23	E23	A14	B14	A24	B24
0.01	-C.006668	O.C06665	-C.000087	O.C06665	-C.C00003	C.C00000	-O.000062	-1.000000
0.02	-C.013343	O.C13322	-C.000351	O.C13322	-C.C00024	C.C00000	-O.000351	-1.000000
0.03	-C.020031	O.C19960	-C.000784	O.C19960	-C.C00083	C.C00002	-O.000777	-0.999998
0.04	-C.026739	O.C26573	-C.001385	O.C26573	-C.C00198	C.C00007	-O.001383	-0.999993
0.05	-C.033472	O.C33151	-C.002149	O.C33151	-C.C00390	C.C00018	-O.002167	-0.999982
0.06	-C.040235	O.C39685	-C.003073	O.C39685	-C.C00681	C.C00036	-O.003128	-0.999964
0.07	-C.047034	O.C46167	-C.004154	O.C46167	-C.C01052	C.C00065	-O.004272	-0.999935
0.08	-C.053870	O.C52587	-C.005386	O.C52587	-C.C01646	C.C00107	-O.005601	-0.999893
0.09	-C.060747	O.C58937	-C.006766	O.C58937	-C.C02366	C.C00167	-O.007120	-0.999833
0.10	-C.067667	O.C65266	-C.008290	O.C65266	-C.C03276	C.C00247	-O.008832	-0.999753
0.11	-C.074631	O.C71384	-C.009951	O.C71384	-C.C04400	C.C00351	-O.010744	-C.999649
0.12	-C.081639	O.C77462	-C.011747	O.C77462	-C.C05763	C.C00480	-O.012859	-C.999520
0.13	-C.088689	O.C83429	-C.013669	O.C83429	-C.C07389	C.C00638	-C.015183	-C.999362
0.14	-C.095779	O.C89275	-C.015713	O.C89275	-C.C09364	C.C00827	-O.017722	-C.999173
0.15	-C.102964	O.C94988	-C.017872	O.C94988	-C.C11532	C.C01047	-O.020480	-C.998953
0.16	-C.110061	O.100558	-C.020137	O.100558	-C.C14098	C.C01300	-O.023463	-C.998700
0.17	-C.117243	O.105975	-C.022502	O.105975	-C.C17024	C.C01585	-O.026674	-C.998415
0.18	-C.124442	O.111226	-C.024957	O.111226	-C.C20333	C.C01900	-O.030117	-C.998100
0.19	-C.131649	O.116302	-C.027492	O.116302	-C.C24045	C.C02243	-O.033794	-C.997757
0.20	-C.138853	O.121191	-C.030096	O.121191	-C.C28181	C.C02610	-O.037707	-C.997390
0.21	-C.146044	O.125885	-C.032763	O.125885	-C.C32755	C.C02997	-O.041856	-C.997003
0.22	-C.153208	O.130373	-C.035476	O.130373	-C.C37782	C.C03396	-O.046239	-C.996604
0.23	-C.160332	O.134648	-C.038224	O.134648	-C.C43273	C.C03801	-O.050853	-C.996199
0.24	-C.167400	O.138701	-C.040996	O.138701	-C.C49234	C.C04202	-O.055691	-C.995798
0.25	-C.174358	O.142526	-C.043776	O.142526	-C.C55669	C.C04589	-O.060745	-C.995411
0.26	-C.181310	O.146118	-C.046553	O.146118	-C.C62578	C.C04952	-O.066006	-C.995048
0.27	-C.188118	O.149472	-C.049312	O.149472	-C.C69594	C.C05278	-O.071461	-C.994722
0.28	-C.194808	O.152586	-C.052040	O.152586	-C.C77788	C.C05555	-O.077094	-C.994445
0.29	-C.201362	O.155459	-C.054724	O.155459	-C.C86067	O.C05771	-O.082888	-C.994229
0.30	-C.207766	O.158091	-C.057351	O.158091	-C.C94771	C.C05912	-O.088823	-C.994088
0.31	-C.214003	O.160484	-C.059907	O.160484	-C.103878	C.C05965	-O.094878	-C.994035
0.32	-C.220061	O.162642	-C.062393	O.162642	-C.113362	C.C05918	-O.101029	-C.994082
0.33	-C.225925	O.164569	-C.064766	O.164569	-C.123193	C.C05759	-O.107251	-C.994241
0.34	-C.231585	O.166271	-C.067047	O.166271	-C.133338	C.C05476	-O.113517	-C.994524
0.35	-C.237030	O.167756	-C.069216	O.167756	-C.143761	C.C05061	-O.119801	-C.994939
0.36	-C.242251	O.169032	-C.071268	O.169032	-C.154425	C.C04504	-O.126076	-C.995496
0.37	-C.247242	O.170109	-C.073194	O.170109	-C.165291	C.C03798	-O.132314	-C.996202
0.38	-C.251995	O.170956	-C.074989	O.170956	-C.176321	C.C02938	-O.139487	-C.997062
0.39	-C.256508	O.171704	-C.076650	O.171704	-C.187474	C.C01919	-O.144569	-C.998081
0.40	-C.260779	O.172244	-C.078173	O.172244	-C.198711	C.C00739	-O.150535	-C.999261
0.41	-C.264805	O.172627	-C.079557	O.172627	-C.209994	-C.C00603	-O.156360	-1.000603
0.42	-C.268588	O.172866	-C.080801	O.172866	-C.221286	-C.C002107	-O.162020	-1.002107
0.43	-C.272130	O.172970	-C.081906	O.172970	-C.232552	-C.C003770	-O.167496	-1.003770
0.44	-C.275433	O.172952	-C.082871	O.172952	-C.243758	-C.C005590	-O.172767	-1.005590
0.45	-C.278503	O.172822	-C.083701	O.172822	-C.254872	-C.C007562	-O.177816	-1.007562



UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA= 0.75 NY=1

EPSILON	A13	B13	A23	E23	A14	B14	A24	B24
0.48	-C.286358	C.171865	-C.085399	C.171865	-0.287392	-0.014334	-0.191480	-1.014334
0.51	-C.292327	C.17C255	-C.085996	C.170255	-0.318206	-0.022238	-0.202692	-1.022238
0.54	-C.296617	C.168212	-C.085620	C.168212	-0.346874	-0.031054	-0.211276	-1.031054
0.57	-C.299450	C.165910	-C.084413	C.165910	-0.373144	-0.040555	-0.217178	-1.040555
0.60	-C.301042	C.163482	-C.082511	C.163482	-0.396912	-0.050522	-0.220441	-1.050522
0.63	-C.301597	C.161026	-C.08C046	C.161026	-0.418194	-0.060764	-0.221176	-1.060764
0.66	-C.301298	C.158612	-C.077134	C.158612	-0.437089	-0.071119	-0.219538	-1.071119
0.69	-C.300304	C.156285	-C.073876	C.156285	-0.453752	-0.081457	-0.215708	-1.081457
0.72	-C.298756	C.154076	-C.070361	C.154076	-0.468371	-0.091676	-0.209881	-1.091676
0.75	-C.296770	C.152002	-C.066661	C.152002	-0.481152	-0.101705	-0.202249	-1.101705
0.78	-C.294447	C.150070	-C.062838	C.150070	-0.492306	-0.111492	-0.193004	-1.111492
0.81	-C.291868	C.148282	-C.058941	C.148282	-0.502040	-0.121009	-0.182324	-1.121009
0.84	-C.289103	C.146635	-C.055013	C.146635	-0.510550	-0.130239	-0.170380	-1.130239
0.87	-C.286207	C.145122	-C.051084	C.145122	-0.518024	-0.139180	-0.157325	-1.139180
0.90	-C.283226	C.143737	-C.047182	C.143737	-0.524630	-0.147839	-0.143303	-1.147839
0.93	-C.280198	C.142470	-C.043326	C.142470	-0.530525	-0.156230	-0.128442	-1.156230
0.96	-C.277151	C.141314	-C.039534	C.141314	-0.535848	-0.164372	-0.112859	-1.164372
0.99	-C.274110	C.140258	-C.035816	C.140258	-0.540724	-0.172287	-0.096658	-1.172287
1.02	-C.271094	C.139295	-C.032181	C.139295	-0.545262	-0.180000	-0.079935	-1.180000
1.05	-C.268117	C.138415	-C.028637	C.138415	-0.549561	-0.187535	-0.062772	-1.187535
1.08	-C.265150	C.137613	-C.025186	C.137613	-0.553703	-0.194920	-0.045246	-1.194920
1.11	-C.262322	C.136879	-C.021836	C.136879	-0.557761	-0.202178	-0.027424	-1.202178
1.14	-C.259519	C.136208	-C.018563	C.136208	-0.561759	-0.209333	-0.009363	-1.209333
1.17	-C.256786	C.135594	-C.015429	C.135594	-0.565808	-0.216410	0.008881	-1.216410
1.20	-C.254126	C.135030	-C.012374	C.135030	-0.570013	-0.223429	0.027264	-1.223429
1.23	-C.251539	C.134513	-C.009417	C.134513	-0.574271	-0.230409	0.045743	-1.230409
1.26	-C.249027	C.134038	-C.006556	C.134038	-0.578673	-0.237371	0.064282	-1.237371
1.29	-C.246590	C.133600	-C.003788	C.133600	-0.583242	-0.244328	0.082849	-1.244328
1.32	-C.244228	C.133157	-C.001112	C.133157	-0.587998	-0.251298	0.101417	-1.251298
1.35	-C.241938	C.132824	C.001475	C.132824	-0.592955	-0.258292	0.119961	-1.258292

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$\gamma = 0.75$

CHARACTERISTIC COEFFICIENTS

TABLE 2.1

GAMMA= 1.00

DISPLACEMENT L

R (Y)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.01	-0.000193	3.000000	9999.999878	1.348835	-1959.760437	2000.239502	-0.000001	-0.000001	-0.000001	-0.000001	-0.002826	-0.002826
0.02	-0.000796	2.999999	5026.381042	0.974684	-706.755608	707.458252	-0.000006	-0.000006	-0.000006	-0.008411	-0.008411	-0.008411
0.03	-0.001798	2.999997	2224.434967	1.004150	-384.468128	385.333122	-0.000023	-0.000023	-0.000023	-0.015563	-0.015563	-0.015563
0.04	-0.003200	2.999990	1250.173996	1.000116	-249.500986	250.500818	-0.000064	-0.000064	-0.000064	-0.023994	-0.023994	-0.023994
0.05	-0.005000	2.999975	800.047844	0.999736	-178.328086	179.445988	-0.000140	-0.000140	-0.000140	-0.033537	-0.033537	-0.033537
0.06	-0.007199	2.999948	555.582184	1.000061	-135.472912	136.697575	-0.000265	-0.000265	-0.000265	-0.044086	-0.044086	-0.044086
0.07	-0.009799	2.999904	408.173592	0.999935	-107.332089	108.654902	-0.000454	-0.000454	-0.000454	-0.055556	-0.055556	-0.055556
0.08	-0.012797	2.999836	312.517288	0.999829	-87.686399	89.100474	-0.000724	-0.000724	-0.000724	-0.067871	-0.067871	-0.067871
0.09	-0.016195	2.999738	246.929291	0.999814	-73.331002	74.830813	-0.001093	-0.001093	-0.001093	-0.080982	-0.080982	-0.080982
0.10	-0.019990	2.999600	200.019308	0.999593	-62.464025	64.044862	-0.001580	-0.001580	-0.001580	-0.094836	-0.094836	-0.094836
0.11	-0.024182	2.999415	165.313747	0.999377	-54.002608	55.660443	-0.002205	-0.002205	-0.002205	-0.109392	-0.109392	-0.109392
0.12	-0.028770	2.999172	138.917889	0.999197	-47.260867	48.992213	-0.002990	-0.002990	-0.002990	-0.124617	-0.124617	-0.124617
0.13	-0.033752	2.998860	118.376920	0.998839	-41.785478	43.587248	-0.003954	-0.003954	-0.003954	-0.140476	-0.140476	-0.140476
0.14	-0.039125	2.998468	102.080036	0.998472	-37.266058	39.135483	-0.005123	-0.005123	-0.005123	-0.156939	-0.156939	-0.156939
0.15	-0.044887	2.997982	88.933899	0.997990	-33.483688	35.418265	-0.006518	-0.006518	-0.006518	-0.173976	-0.173976	-0.173976
0.16	-0.051033	2.997351	78.176055	0.997389	-30.279997	32.277443	-0.008163	-0.008163	-0.008163	-0.191562	-0.191562	-0.191562
0.17	-0.057560	2.996679	69.261779	0.996679	-27.537900	29.596100	-0.010082	-0.010082	-0.010082	-0.209667	-0.209667	-0.209667
0.18	-0.064463	2.995832	61.792847	0.995825	-25.169135	27.286129	-0.012301	-0.012301	-0.012301	-0.228268	-0.228268	-0.228268
0.19	-0.071735	2.994834	55.473433	0.994836	-23.106071	25.280010	-0.014843	-0.014843	-0.014843	-0.247335	-0.247335	-0.247335
0.20	-0.079368	2.993671	50.079373	0.993672	-21.296086	23.525228	-0.017733	-0.017733	-0.017733	-0.266843	-0.266843	-0.266843
0.21	-0.087356	2.992325	45.438841	0.992324	-19.697696	21.980377	-0.020996	-0.020996	-0.020996	-0.286765	-0.286765	-0.286765
0.22	-0.095688	2.990780	41.418013	0.990778	-18.277801	20.612426	-0.024656	-0.024656	-0.024656	-0.307073	-0.307073	-0.307073
0.23	-0.104333	2.989020	37.915338	0.989020	-17.009705	19.394733	-0.028737	-0.028737	-0.028737	-0.327738	-0.327738	-0.327738
0.24	-0.113340	2.987028	34.835571	0.987027	-15.871663	18.305596	-0.033261	-0.033261	-0.033261	-0.348730	-0.348730	-0.348730
0.25	-0.122636	2.984787	32.122641	0.984786	-14.845801	17.327178	-0.038251	-0.038251	-0.038251	-0.370018	-0.370018	-0.370018
0.26	-0.132224	2.982282	29.718031	0.982280	-13.917310	16.444696	-0.043727	-0.043727	-0.043727	-0.391572	-0.391572	-0.391572
0.27	-0.142090	2.979496	27.576938	0.979495	-13.073825	15.645805	-0.049709	-0.049709	-0.049709	-0.413358	-0.413358	-0.413358
0.28	-0.152215	2.976414	25.662423	0.976415	-12.304946	14.920121	-0.056216	-0.056216	-0.056216	-0.435342	-0.435342	-0.435342
0.29	-0.162582	2.973023	23.943797	0.973023	-11.601874	14.258854	-0.063263	-0.063263	-0.063263	-0.457490	-0.457490	-0.457490
0.30	-0.173168	2.969308	22.395393	0.969306	-10.957116	13.654520	-0.070865	-0.070865	-0.070865	-0.479766	-0.479766	-0.479766
0.31	-0.183955	2.965258	20.995612	0.965257	-10.364257	13.100705	-0.079034	-0.079034	-0.079034	-0.502135	-0.502135	-0.502135
0.32	-0.194918	2.960862	19.726170	0.960862	-9.817771	12.591888	-0.087781	-0.087781	-0.087781	-0.524558	-0.524558	-0.524558
0.33	-0.206034	2.956111	18.571509	0.956110	-9.312862	12.123291	-0.097114	-0.097114	-0.097114	-0.547000	-0.547000	-0.547000
0.34	-0.217280	2.950956	17.518321	0.950955	-8.845436	11.690761	-0.107037	-0.107037	-0.107037	-0.569422	-0.569422	-0.569422
0.35	-0.228631	2.945512	16.555164	0.945511	-8.411806	11.290668	-0.117555	-0.117555	-0.117555	-0.591788	-0.591788	-0.591788
0.36	-0.240060	2.939654	15.672161	0.939654	-8.008811	10.919834	-0.128666	-0.128666	-0.128666	-0.614061	-0.614061	-0.614061
0.37	-0.251543	2.933420	14.860749	0.933420	-7.633652	10.575459	-0.140370	-0.140370	-0.140370	-0.636204	-0.636204	-0.636204
0.38	-0.263053	2.926810	14.113472	0.926810	-7.283856	10.255071	-0.152661	-0.152661	-0.152661	-0.658182	-0.658182	-0.658182
0.39	-0.274566	2.919825	13.423813	0.919825	-6.957227	9.956479	-0.165532	-0.165532	-0.165532	-0.679959	-0.679959	-0.679959
0.40	-0.286056	2.912468	12.786059	0.912468	-6.651812	9.677734	-0.178974	-0.178974	-0.178974	-0.701503	-0.701503	-0.701503
0.41	-0.297499	2.904745	12.195181	0.904744	-6.365867	9.417098	-0.192976	-0.192976	-0.192976	-0.722782	-0.722782	-0.722782
0.42	-0.308876	2.896661	11.646741	0.896661	-6.079830	9.173019	-0.207523	-0.207523	-0.207523	-0.743765	-0.743765	-0.743765
0.43	-0.320146	2.888227	11.136806	0.888226	-5.846296	8.944104	-0.222600	-0.222600	-0.222600	-0.764424	-0.764424	-0.764424
0.44	-0.331305	2.879451	10.661886	0.879451	-5.610001	8.729102	-0.238190	-0.238190	-0.238190	-0.784732	-0.784732	-0.784732
0.45	-0.342327	2.870346	10.218872	0.870346	-5.387800	8.526884	-0.254275	-0.254275	-0.254275	-0.804665	-0.804665	-0.804665

CHARACTERISTIC COEFFICIENTS

TABLE 2.1

GAMMA = 1.00

DISPLACEMENT U

R(Y)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.48	-0.374378	2.841186	9.054935	0.841186	-4.795876	7.987244	-0.305291	-0.861998				
0.51	-0.404572	2.809579	8.093924	0.809579	-4.298686	7.531331	-0.359993	-0.915278				
0.54	-0.432583	2.775976	7.291295	0.775976	-3.878408	7.142061	-0.417769	-0.964189				
0.57	-0.458203	2.740841	6.613945	0.740841	-3.521221	6.806439	-0.478022	-1.008578				
0.60	-0.481331	2.704624	6.036888	0.704624	-3.216254	6.514464	-0.540195	-1.048422				
0.63	-0.501959	2.667741	5.541013	0.667741	-2.954862	6.258362	-0.603800	-1.083804				
0.66	-0.520143	2.630558	5.111513	0.630558	-2.730101	6.032024	-0.668417	-1.114883				
0.69	-0.535953	2.593389	4.736793	0.593389	-2.536345	5.830608	-0.733705	-1.141870				
0.72	-0.549650	2.556495	4.407675	0.556495	-2.369003	5.650243	-0.799390	-1.165006				
0.75	-0.561272	2.520086	4.116829	0.520086	-2.224304	5.487802	-0.865263	-1.184548				
0.78	-0.571028	2.484325	3.858340	0.484325	-2.099128	5.340741	-0.931169	-1.200756				
0.81	-0.579087	2.449339	3.627404	0.449339	-1.990881	5.206973	-0.996999	-1.213886				
0.84	-0.585613	2.415219	3.420081	0.415219	-1.897394	5.084771	-1.062682	-1.224183				
0.87	-0.590762	2.382029	3.233120	0.382029	-1.816843	4.972693	-1.128178	-1.231882				
0.90	-0.594679	2.349810	3.063816	0.349810	-1.747686	4.869531	-1.193467	-1.237201				
0.93	-0.597459	2.318585	2.909906	0.318585	-1.688613	4.774262	-1.258552	-1.240344				
0.96	-0.599346	2.288363	2.769486	0.288363	-1.638506	4.686016	-1.323446	-1.241500				
0.99	-0.600331	2.259141	2.640940	0.259141	-1.596406	4.604049	-1.388174	-1.240846				
1.02	-0.600555	2.230908	2.522893	0.230908	-1.561489	4.527717	-1.452765	-1.238542				
1.05	-0.600108	2.203645	2.414168	0.203645	-1.533040	4.456464	-1.517256	-1.234738				
1.08	-0.599073	2.177330	2.313752	0.177330	-1.510440	4.389807	-1.581684	-1.229570				
1.11	-0.597522	2.151937	2.220768	0.151937	-1.493147	4.327322	-1.646087	-1.223166				
1.14	-0.595520	2.127436	2.134456	0.127436	-1.480650	4.268637	-1.710504	-1.215641				
1.17	-0.593124	2.103797	2.054152	0.103797	-1.472652	4.213423	-1.774974	-1.207103				
1.20	-0.590387	2.080990	1.979276	0.080990	-1.468668	4.161390	-1.839531	-1.197650				
1.23	-0.587353	2.058982	1.909318	0.058982	-1.468414	4.112278	-1.904210	-1.187374				
1.26	-0.584063	2.037744	1.843827	0.037744	-1.471603	4.065857	-1.969042	-1.176358				
1.29	-0.580554	2.017243	1.782405	0.017243	-1.477979	4.021919	-2.034057	-1.164680				
1.32	-0.576857	1.997449	1.724699	-0.002551	-1.487314	3.980279	-2.099281	-1.152409				
1.35	-0.573000	1.978334	1.670395	-0.021666	-1.499404	3.940769	-2.164739	-1.139612				

141

Y = 1.00

## CHARACTERISTIC COEFFICIENTS

TABLE 2.2

GAMMA= 1.00

N(XY)

M(YY)

EPSILON	REAL H1	IMAG H1	REAL H2	IMAG H2	KEAL H1	IMAG H1	IMAG H1	REAL H1	REAL H2	IMAG H2	REAL H2	IMAG H2
0.01	9.999267	-10.000733	-0.096442	0.000011	-0.029302	-200.000000	0.000000	0.000000	0.000000	0.000000	0.000000	-0.000000
0.02	7.068955	-7.073183	-0.140677	0.000056	-0.059790	-100.000015	0.000015	0.000015	0.000015	0.000015	0.000015	-0.000015
0.03	5.769612	-5.777401	-0.173033	0.000156	-0.089940	-66.666722	0.000156	0.000156	0.000156	0.000156	0.000156	-0.000156
0.04	4.994011	-5.006009	-0.199972	0.000320	-0.119989	-50.000129	0.000320	0.000320	0.000320	0.000320	0.000320	-0.000320
0.05	4.463773	-4.480543	-0.223593	0.000559	-0.149993	-40.000251	0.000559	0.000559	0.000559	0.000559	0.000559	-0.000559
0.06	4.071502	-4.093546	-0.244936	0.000882	-0.179993	-33.333766	0.000882	0.000882	0.000882	0.000882	0.000882	-0.000882
0.07	3.765826	-3.793605	-0.264565	0.001296	-0.209993	-26.572115	0.001296	0.001296	0.001296	0.001296	0.001296	-0.001296
0.08	3.518678	-3.552616	-0.282821	0.001810	-0.239985	-25.001024	0.001810	0.001810	0.001810	0.001810	0.001810	-0.001810
0.09	3.313257	-3.353751	-0.299971	0.002430	-0.269977	-22.223680	0.002430	0.002430	0.002430	0.002430	0.002430	-0.002430
0.10	3.138812	-3.186237	-0.316181	0.003161	-0.299961	-20.001999	0.003161	0.003161	0.003161	0.003161	0.003161	-0.003161
0.11	2.988104	-3.042812	-0.331589	0.004011	-0.329935	-18.184479	0.004011	0.004011	0.004011	0.004011	0.004011	-0.004011
0.12	2.856055	-2.918382	-0.346302	0.004985	-0.359900	-16.670119	0.004985	0.004985	0.004985	0.004985	0.004985	-0.004985
0.13	2.738986	-2.809252	-0.360401	0.006087	-0.389852	-15.389003	0.006087	0.006087	0.006087	0.006087	0.006087	-0.006087
0.14	2.634157	-2.712669	-0.373950	0.007324	-0.419785	-14.291192	0.007324	0.007324	0.007324	0.007324	0.007324	-0.007324
0.15	2.539483	-2.626532	-0.387005	0.008699	-0.449697	-13.340067	0.008699	0.008699	0.008699	0.008699	0.008699	-0.008699
0.16	2.453342	-2.549210	-0.399608	0.010217	-0.479582	-12.508165	0.010217	0.010217	0.010217	0.010217	0.010217	-0.010217
0.17	2.374455	-2.475409	-0.411796	0.011881	-0.509435	-11.774492	0.011881	0.011881	0.011881	0.011881	0.011881	-0.011881
0.18	2.301796	-2.416095	-0.423600	0.013696	-0.539250	-11.122715	0.013696	0.013696	0.013696	0.013696	0.013696	-0.013696
0.19	2.234533	-2.358422	-0.435044	0.015665	-0.569018	-10.539945	0.015665	0.015665	0.015665	0.015665	0.015665	-0.015665
0.20	2.171983	-2.305698	-0.446151	0.017750	-0.598734	-10.015874	0.017750	0.017750	0.017750	0.017750	0.017750	-0.017750
0.21	2.113579	-2.257345	-0.456937	0.020074	-0.628388	-9.542154	0.020074	0.020074	0.020074	0.020074	0.020074	-0.020074
0.22	2.058848	-2.212878	-0.467417	0.022519	-0.657972	-9.111961	0.022519	0.022519	0.022519	0.022519	0.022519	-0.022519
0.23	2.007351	-2.171887	-0.477604	0.025127	-0.687475	-8.719653	0.025127	0.025127	0.025127	0.025127	0.025127	-0.025127
0.24	1.958868	-2.134022	-0.487509	0.027899	-0.716887	-8.360535	0.027899	0.027899	0.027899	0.027899	0.027899	-0.027899
0.25	1.912989	-2.098982	-0.497139	0.030835	-0.746197	-8.030659	0.030835	0.030835	0.030835	0.030835	0.030835	-0.030835
0.26	1.869506	-2.066505	-0.506503	0.033937	-0.775393	-7.726686	0.033937	0.033937	0.033937	0.033937	0.033937	-0.033937
0.27	1.828201	-2.036365	-0.515604	0.037203	-0.804464	-7.445772	0.037203	0.037203	0.037203	0.037203	0.037203	-0.037203
0.28	1.788889	-2.008363	-0.524449	0.040633	-0.833396	-7.185478	0.040633	0.040633	0.040633	0.040633	0.040633	-0.040633
0.29	1.751406	-1.982322	-0.533041	0.044226	-0.862177	-6.943701	0.044226	0.044226	0.044226	0.044226	0.044226	-0.044226
0.30	1.715608	-1.958087	-0.541382	0.047979	-0.890792	-6.718617	0.047979	0.047979	0.047979	0.047979	0.047979	-0.047979
0.31	1.681369	-1.935518	-0.549475	0.051891	-0.919230	-6.508639	0.051891	0.051891	0.051891	0.051891	0.051891	-0.051891
0.32	1.648577	-1.914492	-0.557321	0.055958	-0.947476	-6.312374	0.055958	0.055958	0.055958	0.055958	0.055958	-0.055958
0.33	1.617132	-1.894857	-0.564923	0.060178	-0.975516	-6.128598	0.060178	0.060178	0.060178	0.060178	0.060178	-0.060178
0.34	1.586948	-1.876630	-0.572280	0.064545	-1.003338	-5.956229	0.064545	0.064545	0.064545	0.064545	0.064545	-0.064545
0.35	1.557943	-1.859601	-0.579394	0.069055	-1.030929	-5.794307	0.069055	0.069055	0.069055	0.069055	0.069055	-0.069055
0.36	1.530048	-1.843725	-0.586266	0.073705	-1.058275	-5.641978	0.073705	0.073705	0.073705	0.073705	0.073705	-0.073705
0.37	1.503158	-1.828926	-0.592896	0.078488	-1.085365	-5.498477	0.078488	0.078488	0.078488	0.078488	0.078488	-0.078488
0.38	1.477335	-1.815133	-0.599286	0.083400	-1.112188	-5.363119	0.083400	0.083400	0.083400	0.083400	0.083400	-0.083400
0.39	1.452406	-1.802281	-0.605435	0.088433	-1.138732	-5.235286	0.088433	0.088433	0.088433	0.088433	0.088433	-0.088433
0.40	1.428363	-1.790309	-0.611347	0.093582	-1.164987	-5.114423	0.093582	0.093582	0.093582	0.093582	0.093582	-0.093582
0.41	1.405161	-1.779164	-0.617021	0.098841	-1.190945	-5.000024	0.098841	0.098841	0.098841	0.098841	0.098841	-0.098841
0.42	1.382760	-1.768792	-0.622460	0.104204	-1.216598	-4.891630	0.104204	0.104204	0.104204	0.104204	0.104204	-0.104204
0.43	1.361123	-1.759145	-0.627665	0.109662	-1.241937	-4.788826	0.109662	0.109662	0.109662	0.109662	0.109662	-0.109662
0.44	1.340213	-1.750180	-0.632639	0.115211	-1.266958	-4.691229	0.115211	0.115211	0.115211	0.115211	0.115211	-0.115211
0.45	1.320000	-1.741854	-0.637384	0.120843	-1.291655	-4.598492	0.120843	0.120843	0.120843	0.120843	0.120843	-0.120843

CHARACTERISTIC COEFFICIENTS

TABLE 2.2

EPSILON	GAMMA= 1.CC	N (XY)		M (YY)		REAL H1		IMAG H2		REAL H2		IMAG H1		REAL H2		IMAG H2	
		REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.48	1.263237	-1.720320	-C.650277	C.138173	-1.363769	-4.346369	0.403769	-C.1797C1									
0.51	1.211742	-1.703252	-C.661232	C.156021	-1.432885	-4.1279C1	0.412885	-C.206332									
0.54	1.164859	-1.689975	-C.670361	C.174231	-1.499027	-3.937299	0.419027	-C.233595									
0.57	1.122176	-1.679749	-C.677790	0.192667	-1.562279	-3.769948	0.422279	-0.261175									
0.60	1.083111	-1.672056	-C.683657	0.211216	-1.622774	-3.622132	0.422774	-C.288759									
0.63	1.0473C1	-1.666588	-C.688098	C.229788	-1.680676	-3.490837	0.420676	-C.316234									
0.66	1.014368	-1.662874	-C.691251	C.248314	-1.736168	-3.373598	0.416168	-C.343294									
0.69	C.984059	-1.660666	-C.693246	0.266742	-1.789430	-3.268386	0.409438	-C.369835									
0.72	C.956040	-1.659725	-C.694206	0.285026	-1.840676	-3.173526	C.400676	-C.395748									
C.75	C.930086	-1.659857	-C.694246	0.303173	-1.890064	-3.087621	0.390064	-0.420954									
C.78	C.905987	-1.660859	-C.693472	C.321139	-1.937773	-3.009505	0.377774	-0.445402									
0.81	C.883553	-1.662718	-C.691980	C.338927	-1.983964	-2.938197	0.363965	-0.469061									
0.84	C.862619	-1.6652C1	-C.689856	C.356535	-2.028784	-2.872868	0.348784	-C.491915									
C.87	C.843040	-1.668257	-C.687179	C.373966	-2.072365	-2.812814	0.332365	-C.513963									
0.90	C.824687	-1.671807	-C.684021	0.391224	-2.114829	-2.757434	0.314829	-0.535211									
0.93	C.807446	-1.675784	-C.680446	0.408316	-2.156284	-2.706212	0.296284	-0.555674									
0.96	C.791218	-1.680135	-C.676510	0.425250	-2.196828	-2.658706	C.276829	-C.575372									
0.99	C.775912	-1.684811	-C.672267	C.442032	-2.236550	-2.614530	0.256550	-0.594327									
1.02	C.761449	-1.689772	-C.667761	C.458671	-2.275526	-2.573350	0.235526	-0.612566									
1.05	C.747758	-1.694984	-C.663036	0.475173	-2.313827	-2.534876	0.213828	-0.630114									
1.08	C.734777	-1.700415	-C.658128	C.491545	-2.351516	-2.498851	0.191517	-0.646959									
1.11	C.722447	-1.706042	-C.653072	0.507752	-2.388649	-2.465052	0.168650	-C.663249									
1.14	C.710720	-1.711841	-C.647896	C.523921	-2.425276	-2.433279	0.145276	-0.678893									
1.17	C.699548	-1.717752	-C.642629	0.539935	-2.461442	-2.403357	0.121442	-C.693955									
1.20	C.688851	-1.723879	-C.637294	C.555838	-2.497187	-2.375131	C.097187	-0.708464									
1.23	C.678712	-1.730086	-C.631912	0.571633	-2.532548	-2.348460	0.072548	-0.722444									
1.26	C.668976	-1.736400	-C.626503	C.587323	-2.567556	-2.323221	0.047557	-0.735920									
1.29	C.659654	-1.742810	-C.621083	0.602910	-2.602242	-2.299302	0.022243	-0.748914									
1.32	C.650717	-1.749304	-C.615667	C.618355	-2.636632	-2.276603	-0.003367	-0.761451									
1.35	C.642140	-1.755874	-C.610268	0.633779	-2.670750	-2.255032	-0.029250	-0.773550									

CHARACTERISTIC COEFFICIENTS

TABLE 2.3

EPSILON	GAMMA= 1.CC	DISPLACEMENT V				N(XX)			
		REAL P1	IMAG P1	REAL H2	IMAG P2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.01	10.001198	-9.5988C3	C.087930	-1998.688095	-200.0000C0	0.029302	0.000002	0.000002	0.000002
0.02	7.074579	-7.067553	C.139204	-707.097061	-100.000015	C.059790	0.000016	0.000016	C.019190
0.03	5.779982	-5.7670C7	C.172687	-384.9003C3	-66.666722	C.089940	0.000054	0.000054	0.029940
0.04	5.009977	-4.989980	C.193916	-250.000647	-50.000129	C.119989	0.000128	0.000128	0.039989
0.05	4.486062	-4.458114	C.223566	-178.886559	-40.000251	C.149993	0.000250	0.000250	0.049993
0.06	4.100762	-4.064022	C.244912	-136.084532	-33.333766	C.179993	0.000432	0.000432	0.059993
0.07	3.802638	-3.756340	C.264552	-107.992446	-28.572115	0.209993	0.000686	0.000686	0.069993
0.08	3.563566	-3.5070C5	C.282790	-88.391972	-25.001024	C.239985	0.001024	0.001024	C.079985
0.09	3.3667C1	-3.299214	C.299933	-74.078935	-22.223680	C.269977	0.001458	0.001458	C.089977
0.10	3.201251	-3.122218	C.316120	-63.251878	-20.001959	C.299961	0.001999	0.001999	0.099961
0.11	3.059938	-2.968772	C.331491	-54.828267	-18.184479	C.329935	0.002660	0.002660	0.109935
0.12	2.937652	-2.833755	C.346157	-48.122452	-16.670119	C.359900	0.003452	0.003452	C.119900
0.13	2.830681	-2.7136C3	C.360196	-42.681418	-15.3890C3	C.389852	0.004388	0.004388	0.129852
0.14	2.736254	-2.605450	C.373663	-38.194822	-14.291192	C.419785	0.005477	0.005477	0.139785
0.15	2.652255	-2.507244	C.386613	-34.443910	-13.340067	C.449697	0.006733	0.006733	0.149697
0.16	2.577034	-2.417356	C.399086	-31.270423	-12.508165	C.479582	0.008165	0.008165	0.159582
0.17	2.509284	-2.334500	C.411111	-28.557349	-11.774492	0.509435	0.009785	0.009785	0.169435
0.18	2.447949	-2.257643	C.422717	-26.2165C9	-11.122715	0.539250	0.011603	0.011603	0.179250
0.19	2.392170	-2.185946	C.433919	-24.180319	-10.539945	C.569018	0.013630	0.013630	0.189018
0.20	2.341235	-2.118718	C.444737	-22.396210	-10.015874	C.598734	0.015874	0.015874	0.198734
0.21	2.294550	-2.055385	C.455179	-20.822737	-9.542154	C.628388	0.018345	0.018345	0.208388
0.22	2.251612	-1.995468	C.465257	-19.426831	-9.111961	C.657972	0.021051	0.021051	0.217972
0.23	2.211994	-1.938562	C.474975	-18.181822	-8.719653	C.687475	0.024001	0.024001	0.227475
0.24	2.175328	-1.884320	C.484336	-17.065985	-8.360535	C.716887	0.0272C2	0.0272C2	0.236887
0.25	2.141297	-1.832450	C.493343	-16.061466	-8.030659	0.746197	0.030659	0.030659	0.246197
0.26	2.109623	-1.782697	C.501995	-15.153468	-7.726686	0.775393	0.034378	0.034378	0.255393
0.27	2.080062	-1.734842	C.510291	-14.329635	-7.445772	C.804464	0.038364	0.038364	0.264464
0.28	2.052400	-1.688698	C.518227	-13.579579	-7.185478	0.833396	0.042620	0.042620	0.273396
0.29	2.026447	-1.644098	C.525802	-12.894506	-6.9437C1	0.862177	0.047149	0.047149	0.282177
0.30	2.002031	-1.600900	C.533009	-12.266928	-6.718617	C.890792	0.051950	0.051950	0.290792
0.31	1.9790C2	-1.558979	C.539846	-11.690433	-6.508639	0.919230	0.057026	0.057026	0.299230
0.32	1.957223	-1.518226	C.546306	-11.1595C2	-6.312374	C.947476	0.062374	0.062374	0.307476
0.33	1.936571	-1.478546	C.552387	-10.669360	-6.128598	0.975516	0.067991	0.067991	0.315516
0.34	1.916935	-1.439855	C.558082	-10.215857	-5.956229	1.003338	0.073875	0.073875	0.323339
0.35	1.898215	-1.402081	C.563388	-9.795370	-5.794307	1.030929	0.080021	0.080021	0.330929
0.36	1.880321	-1.365161	C.568301	-9.404723	-5.641978	1.058275	0.086422	0.086422	0.338275
0.37	1.863169	-1.329038	C.572819	-9.041121	-5.498477	1.085365	0.093071	0.093071	0.345366
0.38	1.846686	-1.293666	C.576938	-8.702096	-5.363119	1.112188	0.099960	0.099960	0.352188
0.39	1.8308C5	-1.2590C1	C.580658	-8.385462	-5.235286	1.138732	0.107081	0.107081	0.358732
0.40	1.815465	-1.2250C8	C.583978	-8.089272	-5.114423	1.164987	0.114423	0.114423	0.364987
0.41	1.800611	-1.191655	C.586899	-7.811792	-5.000024	1.190945	0.121974	0.121974	0.370945
0.42	1.786194	-1.158914	C.589421	-7.551469	-4.891630	1.216598	0.129725	0.129725	0.376598
0.43	1.772168	-1.126762	C.591549	-7.306912	-4.788826	1.241937	0.137663	0.137663	0.381937
0.44	1.758495	-1.095178	C.593284	-7.076868	-4.691229	1.266958	0.145774	0.145774	0.386958
0.45	1.745139	-1.064144	C.594632	-6.860208	-4.598492	1.291655	0.154047	0.154047	0.391655

CHARACTERISTIC COEFFICIENTS

TABLE 2.3

GAMMA=	EPSILON	DISPLACEMENT V				N (XX)			
		REAL H1	IMAG H1	REAL H2	IMAG H2	REAL H1	IMAG H1	REAL H2	IMAG H2
0.48	1.706670	-0.974150	C.596414	-6.280794	-4.346368	1.363769	0.179701	C.403769	
0.51	1.670106	-0.888713	C.594964	-5.790315	-4.127901	1.432885	0.206332	C.412885	
0.54	1.634988	-0.807465	C.590538	-5.371458	-3.937299	1.499027	0.233595	C.419027	
0.57	1.601019	-0.730243	C.583428	-5.010937	-3.769948	1.562279	0.261175	C.422279	
0.60	1.568019	-0.656864	C.573946	-4.698420	-3.622132	1.622774	0.288799	C.422774	
0.63	1.535883	-0.587147	C.562408	-4.425776	-3.490837	1.680676	0.316234	C.420676	
0.66	1.504562	-0.520911	C.549115	-4.186541	-3.373598	1.736168	0.343294	C.416168	
0.69	1.474035	-0.457972	C.534355	-3.975526	-3.268386	1.789438	0.369835	C.409438	
0.72	1.444258	-0.398142	C.518387	-3.788528	-3.173526	1.840676	0.395748	C.400676	
0.75	1.415356	-0.341236	C.501448	-3.622116	-3.087621	1.890064	0.420954	C.390064	
0.78	1.387213	-0.287071	C.483747	-3.473466	-3.009505	1.937773	0.445402	C.377774	
0.81	1.359874	-0.235470	C.465469	-3.340237	-2.938197	1.983964	0.469061	C.363965	
0.84	1.333340	-0.186262	C.446775	-3.220473	-2.872868	2.028784	0.491915	C.348784	
0.87	1.307608	-0.139287	C.427806	-3.112530	-2.812814	2.072365	0.513963	C.332365	
0.90	1.282672	-0.094351	C.408682	-3.015017	-2.757434	2.114829	0.535211	C.314829	
0.93	1.258521	-0.051422	C.389509	-2.926750	-2.706212	2.156284	0.555674	C.296284	
0.96	1.235141	-0.010276	C.370378	-2.846712	-2.658706	2.196829	0.575372	C.276829	
0.99	1.212515	0.029159	C.351365	-2.774029	-2.614530	2.236550	0.594327	C.256550	
1.02	1.190625	0.067109	C.332537	-2.707943	-2.573350	2.275526	0.612566	C.235526	
1.05	1.169451	0.103560	C.313949	-2.647753	-2.534876	2.313827	0.630114	C.213828	
1.08	1.148971	0.138650	C.295650	-2.593000	-2.498851	2.351516	0.646999	C.191517	
1.11	1.129164	0.172468	C.277680	-2.543057	-2.465052	2.388649	0.663249	C.168650	
1.14	1.110006	0.205059	C.260072	-2.497513	-2.433279	2.425276	0.678893	C.145276	
1.17	1.091475	0.236618	C.242853	-2.455970	-2.403357	2.461442	0.693955	C.121442	
1.20	1.073548	0.267096	C.226045	-2.418073	-2.375131	2.497187	0.708464	C.097187	
1.23	1.056203	0.296599	C.209666	-2.383504	-2.348460	2.532548	0.722444	C.072548	
1.26	1.039417	0.325187	C.193729	-2.351977	-2.323221	2.567556	0.735920	C.047557	
1.29	1.023169	0.352914	C.178244	-2.323238	-2.299302	2.602242	0.748914	C.022243	
1.32	1.007438	0.379833	C.163217	-2.297053	-2.276603	2.636632	0.761451	-0.003367	
1.35	0.992203	0.405950	C.148651	-2.273215	-2.255032	2.670750	0.773550	-0.029250	

γ=1.00

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA= 1.00

NYX=1

RY=1

EPSILON	A11	B11	A21	B21	A12	B12	A22	B22
0.01	-0.000482	0.000482	-10.368958	0.000482	-0.000482	0.000002	-0.051847	0.000002
0.02	-0.001407	0.001406	-7.108501	0.001406	-0.001428	0.000013	-0.071099	0.000013
0.03	-0.002592	0.002592	-5.779322	0.002592	-0.002636	0.000035	-0.086729	0.000035
0.04	-0.004004	0.003990	-5.000827	0.003990	-0.004079	0.000070	-0.100070	0.000070
0.05	-0.005599	0.005569	-4.472620	0.005569	-0.005727	0.000118	-0.111954	0.000118
0.06	-0.007364	0.007309	-4.083000	0.007309	-0.007563	0.000180	-0.122708	0.000180
0.07	-0.009284	0.009192	-3.780183	0.009192	-0.009574	0.000255	-0.132626	0.000255
0.08	-0.011347	0.011204	-3.536306	0.011204	-0.011750	0.000341	-0.141896	0.000341
0.09	-0.013542	0.013334	-3.333423	0.013334	-0.014082	0.000439	-0.150635	0.000439
0.10	-0.015860	0.015570	-3.163444	0.015570	-0.016564	0.000546	-0.158940	0.000546
0.11	-0.018292	0.017902	-3.016559	0.017902	-0.019190	0.000661	-0.166879	0.000661
0.12	-0.020830	0.020322	-2.888479	0.020322	-0.021956	0.000781	-0.174504	0.000781
0.13	-0.023463	0.022819	-2.775522	0.022819	-0.024855	0.000905	-0.181859	0.000905
0.14	-0.026184	0.025385	-2.674947	0.025385	-0.027884	0.001029	-0.188977	0.001029
0.15	-0.028982	0.028013	-2.584641	0.028013	-0.031039	0.001151	-0.195887	0.001151
0.16	-0.031848	0.030692	-2.502968	0.030692	-0.034315	0.001268	-0.202610	0.001268
0.17	-0.034770	0.033416	-2.428639	0.033416	-0.037707	0.001377	-0.209168	0.001377
0.18	-0.037736	0.036175	-2.360606	0.036175	-0.041211	0.001475	-0.215573	0.001475
0.19	-0.040735	0.038962	-2.298028	0.038962	-0.044822	0.001557	-0.221841	0.001557
0.20	-0.043751	0.041768	-2.240197	0.041768	-0.048536	0.001620	-0.227981	0.001620
0.21	-0.046772	0.044585	-2.186534	0.044585	-0.052346	0.001660	-0.234001	0.001660
0.22	-0.049782	0.047405	-2.136547	0.047405	-0.056247	0.001674	-0.239910	0.001674
0.23	-0.052763	0.050220	-2.089818	0.050220	-0.060232	0.001657	-0.245711	0.001657
0.24	-0.055701	0.053022	-2.045991	0.053022	-0.064295	0.001605	-0.251408	0.001605
0.25	-0.058575	0.055804	-2.004755	0.055804	-0.068427	0.001515	-0.257006	0.001515
0.26	-0.061369	0.058559	-1.965844	0.058559	-0.072623	0.001383	-0.262504	0.001383
0.27	-0.064062	0.061279	-1.929022	0.061279	-0.076873	0.001204	-0.267903	0.001204
0.28	-0.066636	0.063959	-1.894084	0.063959	-0.081168	0.000975	-0.273204	0.000975
0.29	-0.069070	0.066592	-1.860847	0.066592	-0.085499	0.000693	-0.278404	0.000693
0.30	-0.071345	0.069174	-1.829151	0.069174	-0.089857	0.000354	-0.283503	0.000354
0.31	-0.073440	0.071700	-1.798850	0.071700	-0.094231	-0.000045	-0.288496	-0.000045
0.32	-0.075337	0.074167	-1.769817	0.074167	-0.098611	-0.000506	-0.293382	-0.000506
0.33	-0.077016	0.076571	-1.741935	0.076571	-0.102987	-0.001032	-0.298157	-0.001032
0.34	-0.078459	0.078910	-1.715102	0.078910	-0.107347	-0.001624	-0.302817	-0.001624
0.35	-0.079650	0.081184	-1.689224	0.081184	-0.111680	-0.002285	-0.307357	-0.002285
0.36	-0.080571	0.083391	-1.664218	0.083391	-0.115975	-0.003014	-0.311774	-0.003014
0.37	-0.081209	0.085533	-1.640007	0.085533	-0.120221	-0.003814	-0.316063	-0.003814
0.38	-0.081551	0.087610	-1.616525	0.087610	-0.124408	-0.004684	-0.320219	-0.004684
0.39	-0.081585	0.089625	-1.593712	0.089625	-0.128524	-0.005623	-0.324238	-0.005623
0.40	-0.081301	0.091582	-1.571511	0.091582	-0.132559	-0.006631	-0.328116	-0.006631
0.41	-0.080693	0.093483	-1.549875	0.093483	-0.136503	-0.007706	-0.331849	-0.007706
0.42	-0.079755	0.095333	-1.528761	0.095333	-0.140348	-0.008847	-0.335434	-0.008847
0.43	-0.078483	0.097136	-1.508130	0.097136	-0.144083	-0.010051	-0.338866	-0.010051
0.44	-0.076876	0.098899	-1.487948	0.098899	-0.147701	-0.011316	-0.342143	-0.011316
0.45	-0.074936	0.100627	-1.468186	0.100627	-0.151195	-0.012639	-0.345263	-0.012639



UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA= 1.00

NYX=1

RY=1

EPSILON	A11	B11	A21	B21	A12	B12	A22	B22
0.48	-0.067146	0.105658	-1.411171	0.105658	-0.160861	-0.016920	-0.353659	-0.016920
0.51	-0.056552	0.110591	-1.357182	0.110591	-0.169205	-0.021588	-0.360593	-0.021588
0.54	-0.043443	0.115582	-1.305886	0.115582	-0.176146	-0.026529	-0.366079	-0.026529
0.57	-0.028186	0.120763	-1.257092	0.120763	-0.181664	-0.031628	-0.370162	-0.031628
0.60	-0.011190	0.126235	-1.210704	0.126235	-0.185786	-0.036775	-0.372922	-0.036775
0.63	0.007130	0.132063	-1.166672	0.132063	-0.188579	-0.041874	-0.374457	-0.041874
0.66	0.026376	0.138280	-1.124974	0.138280	-0.190140	-0.046841	-0.374878	-0.046841
0.69	0.046151	0.144889	-1.085591	0.144889	-0.190580	-0.051612	-0.374304	-0.051612
0.72	0.066262	0.151873	-1.048498	0.151873	-0.190019	-0.056137	-0.372853	-0.056137
0.75	0.086326	0.159157	-1.013659	0.159157	-0.188580	-0.060382	-0.370640	-0.060382
0.78	0.106173	0.166819	-0.981022	0.166819	-0.186383	-0.064324	-0.367772	-0.064324
0.81	0.125634	0.174689	-0.950524	0.174689	-0.183541	-0.067952	-0.364349	-0.067952
0.84	0.144585	0.182758	-0.922090	0.182758	-0.180159	-0.071262	-0.360461	-0.071262
0.87	0.162934	0.190977	-0.895633	0.190977	-0.176332	-0.074258	-0.356191	-0.074258
0.90	0.180621	0.199298	-0.871064	0.199298	-0.172148	-0.076949	-0.351609	-0.076949
0.93	0.197608	0.207681	-0.848286	0.207681	-0.167682	-0.079348	-0.346780	-0.079348
0.96	0.213877	0.216088	-0.827202	0.216088	-0.163001	-0.081469	-0.341759	-0.081469
0.99	0.229426	0.224486	-0.807714	0.224486	-0.158165	-0.083329	-0.336595	-0.083329
1.02	0.244263	0.232846	-0.789726	0.232846	-0.153224	-0.084945	-0.331329	-0.084945
1.05	0.258406	0.241147	-0.773143	0.241147	-0.148222	-0.086336	-0.325996	-0.086336
1.08	0.271878	0.249367	-0.757873	0.249367	-0.143195	-0.087518	-0.320629	-0.087518
1.11	0.284708	0.257452	-0.743829	0.257452	-0.138176	-0.088510	-0.315252	-0.088510
1.14	0.296925	0.265510	-0.730927	0.265510	-0.133191	-0.089328	-0.309889	-0.089328
1.17	0.308563	0.273410	-0.719089	0.273410	-0.128261	-0.089988	-0.304558	-0.089988
1.20	0.319653	0.281187	-0.708239	0.281187	-0.123405	-0.090505	-0.299275	-0.090505
1.23	0.330229	0.288834	-0.698308	0.288834	-0.118638	-0.090893	-0.294053	-0.090893
1.26	0.340323	0.296349	-0.689229	0.296349	-0.113970	-0.091165	-0.288903	-0.091165
1.29	0.349965	0.303731	-0.680942	0.303731	-0.109412	-0.091333	-0.283833	-0.091333
1.32	0.359185	0.310979	-0.673388	0.310979	-0.104969	-0.091408	-0.278851	-0.091408
1.35	0.368013	0.318094	-0.666515	0.318094	-0.100647	-0.091402	-0.273963	-0.091402

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$\gamma=1.00$

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA= 1.00

MYY=1

NY=1

EPSILON	A13	B13	A23	B23	A14	B14	A24	B24
0.01	-0.005000	0.004999	-0.000048	0.000048	-0.000001	0.000000	-0.000027	-1.000000
0.02	-0.010004	0.009994	-0.000197	0.000197	-0.000012	0.000000	-0.000203	-1.000000
0.03	-0.015013	0.014980	-0.000443	0.000443	-0.000041	0.000000	-0.000448	-0.999999
0.04	-0.020030	0.019952	-0.000784	0.000784	-0.000059	0.000000	-0.000802	-0.999997
0.05	-0.025059	0.024907	-0.001218	0.001218	-0.000195	0.000000	-0.001255	-0.999993
0.06	-0.030100	0.029840	-0.001744	0.001744	-0.000340	0.000014	-0.001810	-0.999986
0.07	-0.035156	0.034746	-0.002361	0.002361	-0.000544	0.000026	-0.002469	-0.999974
0.08	-0.040229	0.039620	-0.003067	0.003067	-0.000818	0.000043	-0.003233	-0.999957
0.09	-0.045319	0.044459	-0.003859	0.003859	-0.001174	0.000068	-0.004104	-0.999932
0.10	-0.050429	0.049257	-0.004736	0.004736	-0.001622	0.000101	-0.005082	-0.999899
0.11	-0.055559	0.054010	-0.005696	0.005696	-0.002174	0.000144	-0.006171	-0.999856
0.12	-0.060709	0.058713	-0.006737	0.006737	-0.002842	0.000199	-0.007371	-0.999801
0.13	-0.065879	0.063361	-0.007856	0.007856	-0.003638	0.000266	-0.008686	-0.999734
0.14	-0.071069	0.067948	-0.009051	0.009051	-0.004574	0.000348	-0.010117	-0.999652
0.15	-0.076279	0.072470	-0.010319	0.010319	-0.005662	0.000445	-0.011666	-0.999555
0.16	-0.081506	0.076921	-0.011658	0.011658	-0.006913	0.000558	-0.013336	-0.999442
0.17	-0.086749	0.081297	-0.013065	0.013065	-0.008342	0.000687	-0.015128	-0.999313
0.18	-0.092006	0.085590	-0.014535	0.014535	-0.009958	0.000834	-0.017046	-0.999166
0.19	-0.097275	0.089798	-0.016066	0.016066	-0.011774	0.000999	-0.019090	-0.999001
0.20	-0.102551	0.093913	-0.017654	0.017654	-0.013801	0.001180	-0.021263	-0.998820
0.21	-0.107832	0.097930	-0.019295	0.019295	-0.016050	0.001377	-0.023566	-0.998623
0.22	-0.113114	0.101845	-0.020984	0.020984	-0.018532	0.001590	-0.025999	-0.998410
0.23	-0.118391	0.105651	-0.022716	0.022716	-0.021256	0.001817	-0.028564	-0.998183
0.24	-0.123659	0.109344	-0.024488	0.024488	-0.024231	0.002055	-0.031259	-0.997945
0.25	-0.128911	0.112920	-0.026293	0.026293	-0.027465	0.002302	-0.034086	-0.997698
0.26	-0.134143	0.116372	-0.028127	0.028127	-0.030966	0.002555	-0.037041	-0.997445
0.27	-0.139346	0.119697	-0.029983	0.029983	-0.034738	0.002810	-0.040124	-0.997190
0.28	-0.144516	0.122851	-0.031855	0.031855	-0.038787	0.003063	-0.043332	-0.996937
0.29	-0.149644	0.125950	-0.033738	0.033738	-0.043116	0.003310	-0.046660	-0.996690
0.30	-0.154724	0.128871	-0.035625	0.035625	-0.047725	0.003546	-0.050104	-0.996454
0.31	-0.159747	0.131652	-0.037510	0.037510	-0.052616	0.003764	-0.053658	-0.996236
0.32	-0.164706	0.134289	-0.039386	0.039386	-0.057785	0.003961	-0.057317	-0.996039
0.33	-0.169594	0.136781	-0.041247	0.041247	-0.063230	0.004128	-0.061071	-0.995872
0.34	-0.174402	0.139127	-0.043087	0.043087	-0.068945	0.004260	-0.064913	-0.995740
0.35	-0.179123	0.141326	-0.044898	0.044898	-0.074924	0.004351	-0.068833	-0.995649
0.36	-0.183750	0.143379	-0.046675	0.046675	-0.081157	0.004394	-0.072821	-0.995606
0.37	-0.188276	0.145286	-0.048412	0.048412	-0.087634	0.004382	-0.076865	-0.995618
0.38	-0.192694	0.147048	-0.050102	0.050102	-0.094343	0.004310	-0.080953	-0.995690
0.39	-0.196997	0.148667	-0.051741	0.051741	-0.101271	0.004170	-0.085072	-0.995830
0.40	-0.201179	0.150146	-0.053324	0.053324	-0.108420	0.003958	-0.089210	-0.996042
0.41	-0.205235	0.151488	-0.054844	0.054844	-0.115720	0.003658	-0.093352	-0.996332
0.42	-0.209160	0.152695	-0.056299	0.056299	-0.123208	0.003294	-0.097485	-0.996706
0.43	-0.212951	0.153773	-0.057684	0.057684	-0.130849	0.002833	-0.101593	-0.997167
0.44	-0.216602	0.154725	-0.058996	0.058996	-0.138624	0.002280	-0.105662	-0.997720
0.45	-0.220111	0.155555	-0.060231	0.060231	-0.146513	0.001633	-0.109679	-0.998367

UNIT EDGE LOADING MATRIX

TABLE 3

GAMMA= 1.00

MY=1

NY=1

EPSILON	A13	B13	A23	B23	A14	B14	A24	B24
0.48	-0.229767	0.157371	-0.063457	0.157371	-0.170674	-0.000904	-0.121271	-1.009064
0.51	-0.238097	0.158288	-0.065935	0.158288	-0.195174	-0.004354	-0.131899	-1.004354
0.54	-0.245118	0.158458	-0.067659	0.158458	-0.219528	-0.008702	-0.141248	-1.008702
0.57	-0.250884	0.158030	-0.068653	0.158030	-0.243316	-0.013893	-0.149068	-1.013893
0.60	-0.255480	0.157142	-0.068965	0.157142	-0.266200	-0.019837	-0.155177	-1.019837
0.63	-0.259037	0.155914	-0.068655	0.155914	-0.287928	-0.026424	-0.159461	-1.026424
0.66	-0.261578	0.154449	-0.067795	0.154449	-0.308332	-0.033537	-0.161872	-1.033537
0.69	-0.263306	0.152833	-0.066457	0.152833	-0.327318	-0.041059	-0.162412	-1.041059
0.72	-0.264303	0.151132	-0.064713	0.151132	-0.344857	-0.048879	-0.161126	-1.048879
0.75	-0.264673	0.149400	-0.062630	0.149400	-0.360969	-0.056899	-0.158091	-1.056899
0.78	-0.264513	0.147675	-0.060272	0.147675	-0.375712	-0.065035	-0.153405	-1.065035
0.81	-0.263910	0.145986	-0.057694	0.145986	-0.389168	-0.073216	-0.147182	-1.073216
0.84	-0.262939	0.144354	-0.054947	0.144354	-0.401441	-0.081387	-0.139543	-1.081387
0.87	-0.261668	0.142751	-0.052072	0.142751	-0.412640	-0.089506	-0.130612	-1.089506
0.90	-0.260155	0.141308	-0.049107	0.141308	-0.422883	-0.097542	-0.120512	-1.097542
0.93	-0.258450	0.139907	-0.046083	0.139907	-0.432284	-0.105476	-0.109365	-1.105476
0.96	-0.256596	0.138591	-0.043027	0.138591	-0.440956	-0.113294	-0.097283	-1.113294
0.99	-0.254629	0.137358	-0.039960	0.137358	-0.449005	-0.120993	-0.084376	-1.120993
1.02	-0.252578	0.136207	-0.036901	0.136207	-0.456532	-0.128573	-0.070745	-1.128573
1.05	-0.250470	0.135134	-0.033865	0.135134	-0.463627	-0.136039	-0.056483	-1.136039
1.08	-0.248326	0.134135	-0.030864	0.134135	-0.470375	-0.143400	-0.041676	-1.143400
1.11	-0.246163	0.133207	-0.027907	0.133207	-0.476852	-0.150666	-0.026405	-1.150666
1.14	-0.243995	0.132344	-0.025001	0.132344	-0.483124	-0.157850	-0.010739	-1.157850
1.17	-0.241834	0.131543	-0.022153	0.131543	-0.489250	-0.164964	0.005254	-1.164964
1.20	-0.239691	0.130759	-0.019367	0.130759	-0.495284	-0.172021	0.021518	-1.172021
1.23	-0.237571	0.130107	-0.016647	0.130107	-0.501269	-0.179035	0.037999	-1.179035
1.26	-0.235482	0.129465	-0.013993	0.129465	-0.507245	-0.186019	0.054650	-1.186019
1.29	-0.233428	0.128868	-0.011408	0.128868	-0.513244	-0.192985	0.071428	-1.192985
1.32	-0.231413	0.128312	-0.008892	0.128312	-0.519295	-0.199945	0.088298	-1.199945
1.35	-0.229439	0.127755	-0.006446	0.127755	-0.525420	-0.206908	0.105226	-1.206908

X=1.00