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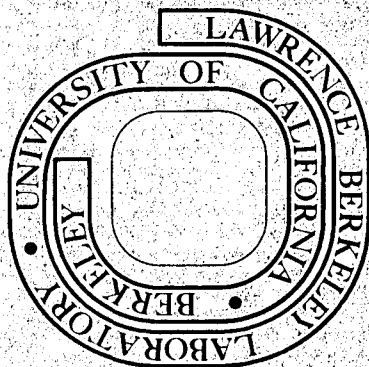
Gary A. Sod

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## EIGENVALUES AND EIGENFUNCTIONS OF THE HILBERT OPERATOR

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February, 1976

Abstract

The eigenvalues  $\lambda_{r\ell}$  and the eigenfunctions  $\phi_{r\ell}$  of the Hilbert operator have been evaluated as part of a technique for solving Boltzmann's equation for a gas model consisting of rigid spheres. The eigenfunctions are represented by the expansion

$$\phi_{r\ell} = p^\ell P_\ell(\cos\theta) \sum_{k=0}^{\infty} a_{r\ell k} L_k^{\ell+\frac{1}{2}}(p^2),$$

where  $L$  denotes the Laguerre polynomials and  $P$  the Legendre polynomials. The eigenvalues  $\lambda_{r\ell}$  and the corresponding coefficients  $a_{r\ell k}$  are given for  $\ell = 0, 1, \dots, 11$ ;  $r = 0, 1, \dots, 56$ ; and  $k = 0, 1, \dots, 29$ .

I. Introduction

Boltzmann's equation describes the evolution of the particle distribution function  $f = f(\underline{x}, \underline{u}, t)$ , where  $\underline{x}$  is the position vector,  $\underline{u}$  is the velocity vector, and  $t$  is time. In the case of a gas model consisting of rigid spheres of diameter  $\sigma$  and in the absence of external forces it takes the form

$$\mathcal{D}f = \frac{\partial f}{\partial t} + (\underline{u} \cdot \nabla_{\underline{x}})f = \frac{\sigma^2}{2} \iint |\underline{V} \cdot \underline{e}| (f'f'_1 - ff_1) d\underline{u}_1 d\omega, \quad (1)$$

where  $\underline{V} = \underline{u}_1 - \underline{u}$ , and the primes refer to molecules which enter the element of volume after collision.

In solving Boltzmann's equation by means of Hilbert's expansion (see [3] and [7]) retaining only the first two terms, Boltzmann's equation reduces to the Boltzmann-Hilbert integral equation

$$-\frac{2\pi\tilde{R}T}{\sigma^2\rho^2} \mathcal{D}f_0 = M(p) e^{-2p^2} \phi(p) + \frac{e^{-p^2}}{\pi} \iint \phi(p_1) e^{-p_1^2} \left(R - \frac{2}{R}e^{\omega^2}\right) dp_1 \quad (2)$$

where

$$f = f_0(1 + \phi), \quad f_0 = \rho(2\pi\tilde{R}T)^{-3/2} e^{-p^2}, \quad \underline{p} = \underline{u}(2\tilde{R}T)^{-1/2}, \quad (3)$$

$$M(p) = 1 + \left(2p + \frac{1}{p}\right) e^{p^2} \int_0^p e^{-z^2} dz, \quad \omega = \frac{pp_1}{R} \sin\theta, \quad (4)$$

$\rho$  denotes the density,  $T$  the temperature,  $\tilde{R}$  is the universal gas constant,  $R = |\underline{p}_1 - \underline{p}|$ , and  $\theta$  denotes the angle between  $\underline{p}$  and  $\underline{p}_1$ . Successive terms in the Hilbert expansion are obtained by solving the same integral equation with a different source term.

Let  $\psi(\underline{p}) = e^{-p^2} M(p)^{1/2} \phi(\underline{p})$ , then equation (2) may be written in the form

$$\begin{aligned} -\frac{2\pi\tilde{R}T}{\sigma^2\rho^2} e^{p^2} M(p)^{-1/2} \mathcal{D} f_0 &= \psi(\underline{p}) + \frac{1}{\pi} \int K(\underline{p}, \underline{p}_1) \psi(\underline{p}_1) d\underline{p}_1 \\ &= \psi(\underline{p}) + \frac{1}{\pi} \mathcal{K} \psi, \end{aligned} \quad (5)$$

where

$$K(\underline{p}, \underline{p}_1) = \left( R - \frac{2}{R} e^{\omega^2} \right) \left[ M(p) M(p_1) \right]^{-1/2}, \quad (6)$$

and  $\mathcal{K}$  denotes the Hilbert operator. See [6] and [7].

## II. Eigenvalues and Eigenfunctions

The eigenvalues and eigenfunctions of the linearized Boltzmann collision operator for a Maxwellian gas have been extensively studied by Burnett [2] and [3], Mott-Smith [5], and Wang-Chang and Uhlenbeck [8]. It has been shown that the

eigenfunctions are

$$\phi_{r\ell}(\underline{p}) = N_{r\ell} P_{\ell}(\cos\theta) p^{\ell} L_r^{\ell+\frac{1}{2}}(p^2), \quad (7)$$

where

$$N_{r\ell} = \left[ \frac{r! (\ell + \frac{1}{2})}{\pi \Gamma(\ell + r + \frac{1}{2})} \right]^{\frac{1}{2}}$$

is a normalization factor with respect to the weight  $e^{-p^2}$ .

We determine the eigenvalues  $\lambda_{r\ell}$  and the eigenfunctions  $\psi_{r\ell}$  satisfying the integral equation

$$\psi_{r\ell}(\underline{p}) = \frac{\lambda_{r\ell}}{\pi} \int K(\underline{p}, \underline{p}_1) \psi_{r\ell}(\underline{p}_1) d\underline{p}_1. \quad (8)$$

The integral equation (8) will be solved using a method introduced by Wang-Chang and Uhlenbeck [8] also by Pekeris et al [6]; expand the eigenfunctions  $\psi_{r\ell}$  in terms of the eigenfunctions (7) for a Maxwellian molecule

$$\psi_{r\ell}(\underline{p}) = P_{\ell}(\cos\theta) e^{-p^2} M(p)^{\frac{1}{2}} p^{\ell} \sum_{k=0}^{\infty} a_{r\ell k} L_k^{\ell+\frac{1}{2}}(p^2). \quad (9)$$

Upon substitution of (9) into (8) we obtain for each  $\ell$  a generalized eigenvalue problem

$$A^{\ell} \underline{a}^{\ell} = \lambda B^{\ell} \underline{a}^{\ell}, \quad (10)$$

where the matrices  $A^\ell$  and  $B^\ell$  are negative and positive definite respectively,  $\underline{a}^\ell = (a_{r\ell k})$ . See [6] and [7]. Equation (10) is solved using the implicit QL algorithm. See [9].

It is observed that the off diagonal elements of  $A^\ell$  and  $B^\ell$  decay so rapidly that, for the expansion (9),  $\underline{a}^\ell$  should be of order  $30 \times 1$ . Although  $A^\ell$  and  $B^\ell$  may be of order  $N \times N$  where  $N > 30$  (to obtain  $\lambda_{r\ell}$  for  $r > 30$ ) only the first 30 components of each eigenvector  $\underline{a}^\ell$  need be retained as coefficients of the expansion (9).

These eigenvalues  $\lambda_{r\ell}$  and coefficients  $a_{r\ell k}$  are listed in Table 1 for  $\ell = 0, 1, \dots, 11$ ;  $r = 0, 1, \dots, 56$ ; and  $k = 0, 1, \dots, 29$ . This greatly expands the table given by Pekeris et al [1].

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The author wishes to thank Professor Alexandre Chorin for his guidance during the execution of this work, which is based on preliminary results obtained in a Ph.D. thesis at U. C. B. The author also wishes to thank Professor K. Frankowski for his helpful suggestions.

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Table 1

Eigenvalues  $\lambda_{r\ell}$  and coefficients of the expansion  $a_{r\ell k}$  in equation (9) for the eigenfunctions of the Hilbert operator.

RI	0	0	0
	0	1	2
EIGENVALUE	-1.0000000E+00	-1.0000000E+00	-1.57971633E+00
COEFFICIENT			
K			
0	-1.23105631E-01	2.24622114E-01	1.85468841E-02
1	-1.74633757E-01	-5.80200252E-02	5.16782156E-02
2	0.0000000E+00	0.0000000E+00	1.85265673E-01
3	0.0000000E+00	0.0000000E+00	-1.90086175E-02
4	0.0000000E+00	0.0000000E+00	-4.86154072E-03
5	0.0000000E+00	0.0000000E+00	-1.80348774E-03
6	0.0000000E+00	0.0000000E+00	-7.77615594E-04
7	0.0000000E+00	0.0000000E+00	-3.65746476E-04
8	0.0000000E+00	0.0000000E+00	-1.82671270E-04
9	0.0000000E+00	0.0000000E+00	-9.55486179E-05
10	0.0000000E+00	0.0000000E+00	-5.19195077E-05
11	0.0000000E+00	0.0000000E+00	-2.91547182E-05
12	0.0000000E+00	0.0000000E+00	-1.68549791E-05
13	0.0000000E+00	0.0000000E+00	-1.00026427E-05
14	0.0000000E+00	0.0000000E+00	-6.07856424E-06
15	0.0000000E+00	0.0000000E+00	-3.77441030E-06
16	0.0000000E+00	0.0000000E+00	-2.39008582E-06
17	0.0000000E+00	0.0000000E+00	-1.54072249E-06
18	0.0000000E+00	0.0000000E+00	-1.00944185E-06
19	0.0000000E+00	0.0000000E+00	-6.71196751E-07
20	0.0000000E+00	0.0000000E+00	-4.52334524E-07
21	0.0000000E+00	0.0000000E+00	-3.08604103E-07
22	0.0000000E+00	0.0000000E+00	-2.12923421E-07
23	0.0000000E+00	0.0000000E+00	-1.48431065E-07
24	0.0000000E+00	0.0000000E+00	-1.04460592E-07
25	0.0000000E+00	0.0000000E+00	-7.41642427E-08
26	0.0000000E+00	0.0000000E+00	-5.30854374E-08
27	0.0000000E+00	0.0000000E+00	-3.82869470E-08
28	0.0000000E+00	0.0000000E+00	-2.78101567E-08
29	0.0000000E+00	0.0000000E+00	-2.03347905E-08

RI	0	0	0
	3	4	5
EIGENVALUE	-2.13148483E+00	-2.67331135E+00	-3.20941971E+00
COEFFICIENT			
K			
0	-1.05490921E-02	6.78790049E-03	4.68301004E-03
1	-2.76991339E-02	1.74903065E-02	1.19775929E-02
2	-7.42274434E-02	4.37056257E-02	2.90981354E-02
3	-1.79391206E-01	8.74398391E-02	5.56071136E-02
4	3.60149896E-02	1.70058071E-01	9.52495316E-02
5	8.86770647E-03	-5.17357198E-02	1.59842507E-01
6	3.31439714E-03	-1.21040805E-02	-6.62608714E-02
7	1.44412287E-03	-4.51770493E-03	-1.45857011E-02
8	6.83833948E-04	-1.97581568E-03	-5.40435939E-03
9	3.42037854E-04	-9.37215002E-04	-2.36020588E-03
10	1.78209107E-04	-4.67534068E-04	-1.11624523E-03
11	9.59937056E-05	-2.41668019E-04	-5.52802991E-04
12	5.32239471E-05	-1.28426906E-04	-2.81974637E-04
13	3.02923580E-05	-6.98673397E-05	-1.46801096E-04
14	1.76646364E-05	-3.88228482E-05	-7.75913499E-05
15	1.05387214E-05	-2.20094586E-05	-4.15024410E-05
16	6.42424599E-06	-1.27244156E-05	-2.24231321E-05
17	3.99634193E-06	-7.50087625E-06	-1.22251224E-05
18	2.53370287E-06	-4.50829342E-06	-6.72351503E-06
19	1.63506431E-06	-2.76241769E-06	-3.73074176E-06
20	1.07257776E-06	-1.72512098E-06	-2.08976532E-06
21	7.14289559E-07	-1.09744102E-06	-1.18277384E-06
22	4.82313624E-07	-7.10644598E-07	-6.77222242E-07
23	3.29826023E-07	-4.67977240E-07	-3.92830700E-07
24	2.28176310E-07	-3.13058841E-07	-2.31207564E-07
25	1.59536429E-07	-2.12494779E-07	-1.38295696E-07
26	1.12634197E-07	-1.46175418E-07	-8.41908100E-08
27	8.02345572E-08	-1.01788737E-07	-5.22274713E-08
28	5.76278465E-08	-7.16718790E-08	-3.30424856E-08
29	4.17078078E-08	-5.09782312E-08	-2.13274001E-08

L R	0 6	0 7	0 8
EIGENVALUE	-3.74166824E+00	-4.27108206E+00	-4.79829990E+00
COEFFICIENT			
K			
0	-3.38347172E-03	2.52740378E-03	1.93655656E-03
1	-8.62527532E-03	6.43240588E-03	4.92418299E-03
2	-2.06591162E-02	1.52809897E-02	1.16366355E-02
3	-3.88164500E-02	2.85037716E-02	2.16344348E-02
4	-6.44893365E-02	4.68783712E-02	3.54647641E-02
5	-9.93803364E-02	7.09819548E-02	5.34661132E-02
6	-1.46540345E-01	1.00814325E-01	7.55121737E-02
7	7.96429083E-02	1.33624708E-01	1.00191910E-01
8	1.63465371E-02	-9.19268077E-02	1.20406268E-01
9	5.98592003E-03	-1.74278628E-02	-1.03154059E-01
10	2.59881203E-03	-6.28277096E-03	-1.78726597E-02
11	1.21969601E-03	-2.69984647E-03	-6.31867960E-03
12	5.96349154E-04	-1.25074041E-03	-2.67456945E-03
13	2.97985059E-04	-5.99405280E-04	-1.21478393E-03
14	1.50354341E-04	-2.90214974E-04	-5.64696910E-04
15	7.59122246E-05	-1.39340451E-04	-2.60139366E-04
16	3.80247806E-05	-6.49814179E-05	-1.14623717E-04
17	1.87068975E-05	-2.84923066E-05	-4.53427555E-05
18	8.90714659E-06	-1.09327602E-05	-1.32651305E-05
19	3.99902332E-06	-2.82052128E-06	6.53657510E-07
20	1.59711594E-06	6.38826424E-07	5.86490709E-06
21	4.67507340E-07	1.87043664E-06	7.07201321E-06
22	-2.70452312E-08	2.09010013E-06	6.58976491E-06
23	-2.13462229E-07	1.89515917E-06	5.52573232E-06
24	-2.57357066E-07	1.56854809E-06	4.38134406E-06
25	-2.40893004E-07	1.23568652E-06	3.35953521E-06
26	-2.03472479E-07	9.45145400E-07	2.52168208E-06
27	-1.62930823E-07	7.09677564E-07	1.86658541E-06
28	-1.26494911E-07	5.26680012E-07	1.36917628E-06
29	-9.63805912E-08	3.88066683E-07	9.98603199E-07

L R	0 9	0 10	0 11
EIGENVALUE	-5.32375194E+00	-5.84774422E+00	-6.37050354E+00
COEFFICIENT			
K			
0	1.51406300E-03	-1.20339161E-03	-9.69702596E-04
1	3.84770428E-03	-3.05698521E-03	-2.46260458E-03
2	9.05952132E-03	-7.17825997E-03	-5.77039240E-03
3	1.68176836E-02	-1.33165096E-02	-1.07019970E-02
4	2.75540125E-02	-2.18307726E-02	-1.75629232E-02
5	4.15404886E-02	-3.29662389E-02	-2.65801811E-02
6	5.87316591E-02	-4.67518324E-02	-3.78318389E-02
7	7.83970846E-02	-6.28067017E-02	-5.11318860E-02
8	9.79667300E-02	-7.98858722E-02	-6.58080875E-02
9	1.07102612E-01	-9.44784497E-02	-8.01820536E-02
10	-1.13363862E-01	-9.38728653E-02	-8.99915564E-02
11	-1.77234285E-02	1.22593812E-01	-8.08368186E-02
12	-6.11836185E-03	1.70213850E-02	1.30880375E-01
13	-2.53549103E-03	5.70635927E-03	1.58062034E-02
14	-1.11830699E-03	2.29545077E-03	5.10651145E-03
15	-4.95739694E-04	9.68226237E-04	1.96713213E-03
16	-2.09773828E-04	3.96427753E-04	7.71531475E-04
17	-7.74276004E-05	1.41417440E-04	2.70786090E-04
18	-1.77778795E-05	2.91747475E-05	5.74910384E-05
19	7.13709269E-06	-1.67947924E-05	-2.86172059E-05
20	1.56973652E-05	-3.21006244E-05	-5.73876222E-05
21	1.69025755E-05	-3.37776134E-05	-6.09622885E-05
22	1.51276452E-05	-2.99989647E-05	-5.44381294E-05
23	1.24389287E-05	-2.45986224E-05	-4.48345545E-05
24	9.75297645E-06	-1.92706962E-05	-3.52584221E-05
25	7.42402955E-06	-1.46665600E-05	-2.69230963E-05
26	5.54223962E-06	-1.09475350E-05	-2.01499278E-05
27	4.08334449E-06	-8.06192273E-06	-1.48675252E-05
28	2.98178201E-06	-5.88079560E-06	-1.08572243E-05
29	2.16460055E-06	-4.26143731E-06	-7.86911685E-06

L R	0 12	0 13	0 14
EIGENVALUE	-6.89220350E+00	-7.41298040E+00	-7.93294360E+00
COEFFICIENT			
K			
0	-7.90576078E-04	-6.51067371E-04	-5.40918304E-04
1	-2.00721816E-03	-1.65267882E-03	-1.37283457E-03
2	-4.69535260E-03	-3.86057985E-03	-3.20308139E-03
3	-8.70767266E-03	-7.15981065E-03	-5.94087156E-03
4	-1.43068606E-02	-1.17773887E-02	-9.78297983E-03
5	-2.17028137E-02	-1.79058281E-02	-1.49045134E-02
6	-3.10021419E-02	-2.56659396E-02	-2.14310395E-02
7	-4.21332097E-02	-3.50548270E-02	-2.94009136E-02
8	-5.47205934E-02	-4.58671638E-02	-3.87120579E-02
9	-6.78410931E-02	-5.75616945E-02	-4.90404115E-02
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13	1.38259203E-01	-5.56927399E-02	-7.24750054E-02
14	1.41159745E-02	1.44765345E-01	-4.37114363E-02
15	4.34171040E-03	1.19872436E-02	1.50433379E-01
16	1.56280229E-03	3.43379375E-03	9.45507356E-03
17	5.35075501E-04	1.09417388E-03	2.40350818E-03
18	1.22819029E-04	2.65451966E-04	5.72334863E-04
19	-3.95661562E-05	-4.35831744E-05	-3.10744420E-05
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22	-9.30403509E-05	-1.52597456E-04	-2.43919105E-04
23	-7.72083626E-05	-1.27656010E-04	-2.05237283E-04
24	-6.10787605E-05	-1.01618501E-04	-1.64148331E-04
25	-4.68717888E-05	-7.84006342E-05	-1.27210068E-04
26	-3.52271640E-05	-5.92024954E-05	-9.64765183E-05
27	-2.60808923E-05	-4.40126408E-05	-7.20189663E-05
28	-1.90951440E-05	-3.23358526E-05	-5.31121603E-05
29	-1.38631885E-05	-2.35401459E-05	-3.87929332E-05

L R	0 15	0 16	0 17
EIGENVALUE	-8.45218239E+00	-8.97077082E+00	-9.48877109E+00
COEFFICIENT			
K			
0	4.52910741E-04	-3.81856411E-04	-3.23956541E-04
1	1.14929851E-03	-9.68861985E-04	-8.21858059E-04
2	2.67881026E-03	-2.25625862E-03	-1.91244559E-03
3	4.96894539E-03	-4.18555179E-03	-3.54808085E-03
4	8.19063465E-03	-6.90551271E-03	-5.85850202E-03
5	1.25020659E-02	-1.05583135E-02	-8.97102686E-03
6	1.80275750E-02	-1.52634283E-02	-1.29982158E-02
7	2.48295656E-02	-2.10963095E-02	-1.80214800E-02
8	3.28705550E-02	-2.80602995E-02	-2.40697643E-02
9	4.19591350E-02	-3.60486164E-02	-3.10916266E-02
10	5.16665895E-02	-4.47899486E-02	-3.89174036E-02
11	6.11844597E-02	-5.37642211E-02	-4.72049075E-02
12	6.90491886E-02	-6.20588239E-02	-5.53552692E-02
13	7.25171293E-02	-6.80920173E-02	-6.23696388E-02
14	6.57711208E-02	-6.89902021E-02	-6.65749826E-02
15	3.21855473E-02	-5.88223550E-02	-6.50116334E-02
16	-1.55297475E-01	-2.11482503E-02	-5.17166742E-02
17	-6.55311108E-03	1.59391433E-01	-1.06246359E-02
18	-1.27050870E-03	3.31364824E-03	1.62748680E-01
19	-7.71744332E-06	5.33765280E-05	-2.32322720E-04
20	3.48605907E-04	-5.89910020E-04	-1.23035375E-03
21	4.17022024E-04	-6.81629523E-04	-1.21143758E-03
22	3.86092244E-04	-6.17255191E-04	-1.02502278E-03
23	3.24768581E-04	-5.12793454E-04	-8.22344589E-04
24	2.59978562E-04	-4.07890307E-04	-6.41796454E-04
25	2.01884513E-04	-3.15943735E-04	-4.92053253E-04
26	1.53543338E-04	-2.40266805E-04	-3.72314066E-04
27	1.14995474E-04	-1.80202412E-04	-2.78736960E-04
28	8.50983168E-05	-1.33663061E-04	-2.06798574E-04
29	6.23642935E-05	-9.82292056E-05	-1.52203880E-04

L R	0 18	0 19	0 20
EIGENVALUE	-1.00062361E+01	-1.05232111E+01	-1.10397354E+01
COEFFICIENT			
K			
0			
1	-2.76384320E-04	2.37005864E-04	2.04189670E-04
2	-7.01095740E-04	6.01148409E-04	5.17868165E-04
3	-1.63032441E-03	1.39706149E-03	1.20286739E-03
4	-3.02494171E-03	2.59235646E-03	2.23218827E-03
5	-4.99831746E-03	4.28630821E-03	3.69295048E-03
6	-7.66419725E-03	6.58039493E-03	5.67562852E-03
7	-1.11272149E-02	9.57098129E-03	8.26839603E-03
8	-1.54701884E-02	1.33394166E-02	1.15493761E-02
9	-2.07376633E-02	1.79391827E-02	1.55765241E-02
10	-2.69147713E-02	2.33795418E-02	2.03747918E-02
11	-3.38996420E-02	2.96047108E-02	2.59200107E-02
12	-4.14659985E-02	3.64667633E-02	3.21185043E-02
13	-4.92094119E-02	4.36889003E-02	3.87806315E-02
14	-5.64640800E-02	5.08126985E-02	4.55849686E-02
15	-6.21616005E-02	5.71165980E-02	5.20269532E-02
16	-6.45622741E-02	6.14781486E-02	5.73397709E-02
17	-6.06596242E-02	6.21134700E-02	6.03612863E-02
18	-4.45295749E-02	5.60042627E-02	5.92838900E-02
19	-6.33113749E-04	3.73260371E-02	5.11085034E-02
20	1.65402263E-01	-8.81348631E-03	3.01620685E-02
21	-4.05506147E-03	-1.67384822E-01	-1.77070341E-02
22	-2.56416259E-03	8.12603753E-03	-1.68728565E-01
23	-1.84840019E-03	3.93251212E-03	1.24178930E-02
24	-1.37405106E-03	2.49295940E-03	5.32081230E-03
25	-1.02946956E-03	1.72435998E-03	3.13788237E-03
26	-7.71342313E-04	1.23604324E-03	2.07196454E-03
27	-5.76120536E-04	8.99819292E-04	1.43970762E-03
28	-4.28332985E-04	6.59050817E-04	1.02576120E-03
29	-3.16778900E-04	4.83307587E-04	7.39897879E-04
	-2.32972374E-04	3.53920057E-04	5.36608794E-04

L R	0 21	0 22	0 23
EIGENVALUE	-1.15558433E+01	-1.20715650E+01	-1.25869270E+01
COEFFICIENT			
K			
0			
1	1.76673974E-04	1.53472822E-04	1.33808517E-04
2	4.48047914E-04	3.89182157E-04	3.39295022E-04
3	1.04018654E-03	9.03125533E-04	7.87043222E-04
4	1.93043847E-03	1.67618707E-03	1.46083354E-03
5	3.19542311E-03	2.77589836E-03	2.42031617E-03
6	4.91579689E-03	4.27418669E-03	3.72967483E-03
7	7.17187352E-03	6.24397860E-03	5.45499059E-03
8	1.00375396E-02	8.75441111E-03	7.66046535E-03
9	1.35722453E-02	1.18644650E-02	1.04033449E-02
10	1.78108245E-02	1.56148326E-02	1.37273891E-02
11	2.27508010E-02	2.00177944E-02	1.76547256E-02
12	2.83366156E-02	2.50447671E-02	2.21758770E-02
13	3.44397849E-02	3.06109661E-02	2.72376340E-02
14	4.08332285E-02	3.65562087E-02	3.27282296E-02
15	4.71565852E-02	4.26201590E-02	3.84588782E-02
16	5.28666148E-02	4.84089810E-02	4.41400587E-02
17	5.71610928E-02	5.33478244E-02	4.93496898E-02
18	5.88514582E-02	5.66082510E-02	5.34879828E-02
19	5.61249019E-02	5.69874714E-02	5.57088493E-02
20	4.60289703E-02	5.26841900E-02	5.48064476E-02
21	-2.30859458E-02	4.08166277E-02	4.90059958E-02
22	-1.60433840E-02	1.61392289E-02	3.55173477E-02
23	-1.69465235E-01	-3.38217857E-02	9.35760267E-03
24	1.69044090E-02	-1.69626075E-01	-4.10443922E-02
25	6.71538742E-03	2.15604755E-02	-1.69241802E-01
26	3.77651941E-03	8.10344340E-03	2.63620626E-02
27	2.41323623E-03	4.40278083E-03	9.47303575E-03
28	1.63832675E-03	2.74488887E-03	5.01111364E-03
29	1.14784392E-03	1.82997859E-03	3.06396391E-03
	8.17808922E-04	1.26488081E-03	2.01294605E-03

L	R	0	0	0
		24	25	26
	EIGENVALUE	-1.31019531E+01	-1.36166645E+01	-1.41310803E+01
	COEFFICIENT			
K				
0				
1		-1.17062359E-04	1.02738265E-04	-9.04355876E-05
2		-2.96814886E-04	2.60481815E-04	-2.29278418E-04
3		-6.88252618E-04	6.03801249E-04	-5.31307430E-04
4		-1.27754474E-03	1.12084825E-03	-9.86329135E-04
5		-2.11749174E-03	1.85845716E-03	-1.63596979E-03
6		-3.26541683E-03	2.86787645E-03	-2.52609901E-03
7		-4.78111950E-03	4.20318106E-03	-3.70560005E-03
8		-6.72389274E-03	5.91891406E-03	-5.22450414E-03
9		-9.14846476E-03	8.06683632E-03	-7.13138340E-03
10		-1.20997352E-02	1.06916710E-02	-9.46990255E-03
11		-1.56061791E-02	1.38257377E-02	-1.22744387E-02
12		-1.96717746E-02	1.74823696E-02	-1.55646843E-02
13		-2.42662569E-02	2.16479870E-02	-1.93391433E-02
14		-2.93133843E-02	2.62726398E-02	-2.35674081E-02
15		-3.46766937E-02	3.12587258E-02	-2.81810445E-02
16		-4.01418546E-02	3.64473850E-02	-3.30628092E-02
17		-4.53941024E-02	4.16017428E-02	-3.80337371E-02
18		-4.99880977E-02	4.63855909E-02	-4.28373361E-02
19		-5.33053923E-02	5.03350717E-02	-4.71196018E-02
20		-5.44901922E-02	5.28189653E-02	-5.04026478E-02
21		-5.23437997E-02	5.29791151E-02	-5.20479843E-02
22		-4.51313347E-02	4.96332260E-02	-5.12018508E-02
23		-3.01723972E-02	4.10981932E-02	-4.67067184E-02
24		-2.77158192E-03	2.48188603E-02	-3.69417103E-02
25		4.77158443E-02	-3.59288941E-03	-1.94900087E-02
26		1.68342571E-01	-5.38429171E-02	9.71392527E-03
27		-3.12861943E-02	-1.66957953E-01	5.94342158E-02
28		-1.08130387E-02	3.63109231E-02	1.65116906E-01
29		-5.59647837E-03	1.21131148E-02	-4.14153059E-02
		-3.36781532E-03	6.15432626E-03	-1.33636863E-02

L	R	0	0	0
		27	28	29
	EIGENVALUE	-1.46452176E+01	-1.51590920E+01	-1.56727178E+01
	COEFFICIENT			
K				
0				
1		-7.98285943E-05	-7.06508196E-05	-6.26830283E-05
2		-2.02377658E-04	-1.79103067E-04	-1.58898145E-04
3		-4.68836862E-04	-4.14808723E-04	-3.67923537E-04
4		-8.70401436E-04	-7.70134216E-04	-6.83117961E-04
5		-1.44414122E-03	-1.27815434E-03	-1.13404584E-03
6		-2.23116133E-03	-1.97575109E-03	-1.75384252E-03
7		-3.27565244E-03	-2.90288342E-03	-2.57865658E-03
8		-4.62341500E-03	-4.10142078E-03	-3.64672927E-03
9		-6.31976571E-03	-5.61346091E-03	-4.99704251E-03
10		-8.40673838E-03	-7.47905437E-03	-6.66746725E-03
11		-1.09194989E-02	-9.73326432E-03	-8.69234806E-03
12		-1.38819022E-02	-1.24024979E-02	-1.10994671E-02
13		-1.73011232E-02	-1.55000533E-02	-1.39063382E-02
14		-2.11612869E-02	-1.90208291E-02	-1.71157898E-02
15		-2.54159968E-02	-2.29351324E-02	-2.07107933E-02
16		-2.99796059E-02	-2.71815003E-02	-2.46484887E-02
17		-3.47169750E-02	-3.16583920E-02	-2.88533308E-02
18		-3.94312993E-02	-3.62145252E-02	-3.32092344E-02
19		-4.38493090E-02	-4.06374795E-02	-3.75505183E-02
20		-4.76026923E-02	-4.46399510E-02	-4.16513182E-02
21		-5.02037704E-02	-4.78426440E-02	-4.52129355E-02
22		-5.10119056E-02	-4.97520711E-02	-4.78482448E-02
23		-4.91839263E-02	-4.97301952E-02	-4.90616820E-02
24		-4.35945813E-02	-4.69500819E-02	-4.82221960E-02
25		-3.26943445E-02	-4.03254584E-02	-4.45242113E-02
26		-1.42156281E-02	-2.83860290E-02	-3.69263669E-02
27		1.55732539E-02	-9.02230966E-03	-2.40443175E-02
28		6.44999130E-02	2.11558315E-02	-3.93371102E-03
29		1.62847752E-01	6.90515194E-02	2.64495032E-02
		-4.65793796E-02	1.60178160E-01	7.31016840E-02

L R	0 30	0 31	0 32
EIGENVALUE	-1.61861078E+01	-1.66992740E+01	-1.72122273E+01
COEFFICIENT			
K			
0	5.57438758E-05	-4.96826089E-05	-4.43733167E-05
1	1.41302626E-04	-1.25933922E-04	-1.12472525E-04
2	3.27107286E-04	-2.91467794E-04	-2.60260418E-04
3	6.07361038E-04	-5.41208890E-04	-4.83280452E-04
4	1.00853728E-03	-8.98903230E-04	-8.02867336E-04
5	1.56044401E-03	-1.39140043E-03	-1.24323709E-03
6	2.29580184E-03	-2.04833856E-03	-1.83125614E-03
7	3.24951951E-03	-2.90157620E-03	-2.59599854E-03
8	4.45760756E-03	-3.98432050E-03	-3.56804726E-03
9	5.95567051E-03	-5.32989883E-03	-4.77849364E-03
10	7.77692013E-03	-6.97012314E-03	-6.25758984E-03
11	9.94965825E-03	-8.93319992E-03	-8.03301164E-03
12	1.24941850E-02	-1.12411456E-02	-1.01276943E-02
13	1.54190961E-02	-1.39066744E-02	-1.25572114E-02
14	1.87169394E-02	-1.69295340E-02	-1.53266734E-02
15	2.23591986E-02	-2.02922677E-02	-1.84271312E-02
16	2.62905668E-02	-2.39553840E-02	-2.18314729E-02
17	3.04224458E-02	-2.78519033E-02	-2.54898026E-02
18	3.46255701E-02	-3.18812343E-02	-2.93242830E-02
19	3.87215831E-02	-3.59022971E-02	-3.32234077E-02
20	4.24732869E-02	-3.97257522E-02	-3.70356398E-02
21	4.55731156E-02	-4.31051088E-02	-4.05623099E-02
22	4.76290979E-02	-4.57263466E-02	-4.35495999E-02
23	4.81470761E-02	-4.71954591E-02	-4.56793286E-02
24	4.65070145E-02	-4.70229317E-02	-4.65580929E-02
25	4.19293151E-02	-4.46034300E-02	-4.57040167E-02
26	3.34227344E-02	-3.91874687E-02	-4.25298188E-02
27	1.96945185E-02	-2.98384418E-02	-3.63198006E-02
28	-1.02920848E-03	-1.53598238E-02	-2.61958670E-02
29	-3.14447040E-02	5.84797445E-03	-1.10614276E-02

L R	0 33	0 34	0 35
EIGENVALUE	-1.77249776E+01	-1.82375342E+01	-1.87499058E+01
COEFFICIENT			
K			
0	3.97103734E-05	-3.56048025E-05	-3.19813593E-05
1	1.00650423E-04	-9.02418678E-05	-8.10559668E-05
2	2.32860873E-04	-2.08743591E-04	-1.87464353E-04
3	4.32417808E-04	-3.87646063E-04	-3.48141176E-04
4	7.18519916E-04	-6.44252267E-04	-5.78703922E-04
5	1.11303577E-03	-9.98335656E-04	-8.97053654E-04
6	1.64033927E-03	-1.47202777E-03	-1.32330359E-03
7	2.32696709E-03	-2.08955605E-03	-1.87958128E-03
8	3.20106018E-03	-2.87679898E-03	-2.58967615E-03
9	4.29154928E-03	-3.86062386E-03	-3.47850180E-03
10	5.62704430E-03	-5.06797133E-03	-4.57134188E-03
11	7.23438913E-03	-6.52465249E-03	-5.89284836E-03
12	9.13684749E-03	-8.25382660E-03	-7.46576330E-03
13	1.13518913E-02	-1.02741327E-02	-9.30933883E-03
14	1.38885700E-02	-1.25974544E-02	-1.14374353E-02
15	1.67444479E-02	-1.52263045E-02	-1.38562842E-02
16	1.99021006E-02	-1.81508240E-02	-1.65619095E-02
17	2.33251703E-02	-2.13453944E-02	-1.95372088E-02
18	2.69539744E-02	-2.47648704E-02	-2.27487006E-02
19	3.07006620E-02	-2.83404367E-02	-2.61429512E-02
20	3.44438967E-02	-3.19750917E-02	-2.96426925E-02
21	3.80230248E-02	-3.55387534E-02	-3.31426460E-02
22	4.12316547E-02	-3.88629672E-02	-3.65050603E-02
23	4.38105254E-02	-4.17351743E-02	-3.95549647E-02
24	4.54394678E-02	-4.38924720E-02	-4.20751320E-02
25	4.57281487E-02	-4.50147533E-02	-4.38007325E-02
26	4.42050895E-02	-4.47170517E-02	-4.44136482E-02
27	4.03040922E-02	-4.25408143E-02	-4.35364080E-02
28	3.33464792E-02	-3.79436460E-02	-4.07256889E-02
29	2.25159315E-02	-3.02867066E-02	-3.54653204E-02



L R	0 36	0 37	0 38
EIGENVALUE	-1.92621003E+01	-1.97741251E+01	-2.02859872E+01
COEFFICIENT			
K			
0	-2.87761765E-05	2.59348540E-05	-2.34109016E-05
1	-7.29307013E-05	6.57280785E-05	-5.93301773E-05
2	-1.68646302E-04	1.51968593E-04	-1.37157156E-04
3	-3.13204013E-04	2.82239319E-04	-2.54738587E-04
4	-5.20720089E-04	4.69317125E-04	-4.23654386E-04
5	-8.07420041E-04	7.27926135E-04	-6.57281595E-04
6	-1.19159924E-03	1.07472326E-03	-9.70799194E-04
7	-1.69347673E-03	1.52819336E-03	-1.38111626E-03
8	-2.33491773E-03	2.10843268E-03	-1.90670509E-03
9	-3.13899831E-03	2.83679762E-03	-2.56731896E-03
10	-4.12938444E-03	3.73539413E-03	-3.38357308E-03
11	-5.32949789E-03	4.82638325E-03	-4.37636677E-03
12	-6.76144232E-03	6.13107864E-03	-5.56612493E-03
13	-8.44466605E-03	7.66881422E-03	-6.97183878E-03
14	-1.03943422E-02	9.45556326E-03	-8.60988797E-03
15	-1.26194525E-02	1.15022952E-02	-1.04926304E-02
16	-1.51205672E-02	1.38130622E-02	-1.26267508E-02
17	-1.78873227E-02	1.63828138E-02	-1.50113658E-02
18	-2.08956022E-02	1.91949467E-02	-1.76358884E-02
19	-2.41044342E-02	2.2186007E-02	-2.04776642E-02
20	-2.74526266E-02	2.54057211E-02	-2.34993956E-02
21	-3.08551581E-02	2.86879124E-02	-2.66463797E-02
22	-3.41993503E-02	3.19731111E-02	-2.98435901E-02
23	-3.73408433E-02	3.51421128E-02	-3.29926382E-02
24	-4.00993999E-02	3.80449907E-02	-3.59686597E-02
25	-4.22545634E-02	4.04974503E-02	-3.86171769E-02
26	-4.35412025E-02	4.22771813E-02	-4.07510047E-02
27	-4.36449925E-02	4.31202866E-02	-4.21472898E-02
28	-4.21979218E-02	4.27179169E-02	-4.25448143E-02
29	-3.87739835E-02	4.07133224E-02	-4.16417655E-02

L R	0 39	0 40	0 41
EIGENVALUE	-2.07976929E+01	-2.13092483E+01	-2.18206591E+01
COEFFICIENT			
K			
0	-2.11644636E-05	-1.91612689E-05	1.73717631E-05
1	-5.36359104E-05	-4.85583594E-05	4.40225728E-05
2	-1.23977127E-04	-1.12226632E-04	1.01731644E-04
3	-2.30266032E-04	-2.08447057E-04	1.88958723E-04
4	-3.83011169E-04	-3.46767740E-04	3.14389642E-04
5	-5.94379390E-04	-5.38266937E-04	4.88122215E-04
6	-8.78215413E-04	-7.95583763E-04	7.21705231E-04
7	-1.24999633E-03	-1.13289362E-03	1.02813041E-03
8	-1.72670502E-03	-1.56581438E-03	1.42176517E-03
9	-2.32660482E-03	-2.11122784E-03	1.91821260E-03
10	-3.06889644E-03	-2.78699976E-03	2.53408402E-03
11	-3.97323752E-03	-3.61158105E-03	3.28666844E-03
12	-5.05910536E-03	-4.60347240E-03	4.19348330E-03
13	-6.34498398E-03	-5.78053549E-03	5.27169077E-03
14	-7.84735899E-03	-7.15913491E-03	6.53736521E-03
15	-9.57950657E-03	-8.75309777E-03	8.00459904E-03
16	-1.15500673E-02	-1.05724812E-02	9.68443709E-03
17	-1.37614008E-02	-1.26221425E-02	1.15836335E-02
18	-1.62077221E-02	-1.49001119E-02	1.37032293E-02
19	-1.88730309E-02	-1.73957740E-02	1.60369549E-02
20	-2.17288451E-02	-2.00878714E-02	1.85694675E-02
21	-2.47317655E-02	-2.29423488E-02	2.127444394E-02
22	-2.78208979E-02	-2.59100651E-02	2.41125208E-02
23	-3.09151694E-02	-2.89244076E-02	2.70292083E-02
24	-3.39105842E-02	-3.18988494E-02	2.99526562E-02
25	-3.66774712E-02	-3.47245013E-02	3.27914782E-02
26	-3.90577903E-02	-3.72677217E-02	3.54325980E-02
27	-4.08625854E-02	-3.93678650E-02	3.77392198E-02
28	-4.18697043E-02	-4.08352757E-02	3.95490153E-02
29	-4.18219630E-02	-4.14496788E-02	4.06726509E-02

L R	0 42	0 43	0 44
EIGENVALUE	-2.23319306E+01	-2.28430679E+01	-2.33540758E+01
COEFFICIENT			
K			
0	1.57703889E-05	1.43349850E-05	-1.30462830E-05
1	3.99637385E-05	3.63256593E-05	-3.30594753E-05
2	9.23417231E-05	8.39264629E-05	-7.63725136E-05
3	1.71521848E-04	1.55894415E-04	-1.41866051E-04
4	2.85414683E-04	2.59442077E-04	-2.36123340E-04
5	4.43233930E-04	4.02984940E-04	-3.66838355E-04
6	6.55541400E-04	5.96190560E-04	-5.42867647E-04
7	9.34251951E-04	8.49993599E-04	-7.74253151E-04
8	1.29258777E-03	1.17656748E-03	-1.07220781E-03
9	1.74497008E-03	1.58924218E-03	-1.44905480E-03
10	2.30683532E-03	2.10235671E-03	-1.91811022E-03
11	2.99436194E-03	2.73103406E-03	-2.49349841E-03
12	3.82409373E-03	3.49086580E-03	-3.18988845E-03
13	4.81244547E-03	4.39749364E-03	-4.02214023E-03
14	5.97507742E-03	5.46607549E-03	-5.00484884E-03
15	7.32612678E-03	6.71062472E-03	-6.15177654E-03
16	8.87728608E-03	8.14321298E-03	-7.47516308E-03
17	1.06367219E-02	9.77302938E-03	-8.98490705E-03
18	1.26078309E-02	1.16052924E-02	-1.06876139E-02
19	1.47878356E-02	1.36400148E-02	-1.25855090E-02
20	1.71662267E-02	1.58706261E-02	-1.46752198E-02
21	1.97230652E-02	1.82824641E-02	-1.69464342E-02
22	2.24271654E-02	2.08511508E-02	-1.93804485E-02
23	2.52341836E-02	2.35408764E-02	-2.19486244E-02
24	2.80846487E-02	2.63026215E-02	-2.46107814E-02
25	3.09019750E-02	2.90723530E-02	-2.73135556E-02
26	3.35905111E-02	3.17692430E-02	-2.99887665E-02
27	3.60336883E-02	3.42939645E-02	-3.25518424E-02
28	3.80923502E-02	3.65271375E-02	-3.49003637E-02
29	3.96033723E-02	3.83280136E-02	-3.69128034E-02

L R	0 45	0 46	0 47
EIGENVALUE	-2.38649590E+01	-2.43757221E+01	-2.48863698E+01
COEFFICIENT			
K			
0	1.18874818E-05	-1.08438851E-05	9.90258436E-06
1	3.01225857E-05	-2.74777275E-05	2.50921724E-05
2	6.95810703E-05	-6.34657296E-05	5.79506208E-05
3	1.29253370E-04	-1.17895999E-04	1.07653105E-04
4	2.15154606E-04	-1.96270065E-04	1.79236238E-04
5	3.34325789E-04	-3.05037317E-04	2.78612700E-04
6	4.94887258E-04	-4.51649116E-04	4.12625334E-04
7	7.06067366E-04	-6.44591832E-04	5.89083282E-04
8	9.78199270E-04	-8.93392509E-04	8.16774651E-04
9	1.32267773E-03	-1.20859004E-03	1.10544940E-03
10	1.75186694E-03	-1.60166389E-03	1.46576543E-03
11	2.27894977E-03	-2.08491181E-03	1.90919021E-03
12	2.91770808E-03	-2.67126735E-03	2.44784971E-03
13	3.68222385E-03	-3.37404773E-03	3.09431625E-03
14	4.58649051E-03	-4.20662261E-03	3.86132649E-03
15	5.64392474E-03	-5.18199469E-03	4.76142118E-03
16	6.86676980E-03	-6.31228345E-03	5.80649880E-03
17	8.26538311E-03	-7.60810526E-03	7.00727600E-03
18	9.84740309E-03	-9.07784416E-03	8.37264956E-03
19	1.16167930E-02	-1.07268107E-02	9.90895623E-03
20	1.35727636E-02	-1.25562885E-02	1.16191296E-02
21	1.57085794E-02	-1.45624734E-02	1.35017560E-02
22	1.80102608E-02	-1.67353113E-02	1.55500362E-02
23	2.04551956E-02	-1.90572502E-02	1.77506619E-02
24	2.30106837E-02	-2.15019218E-02	2.00826224E-02
25	2.56324419E-02	-2.40327787E-02	2.25159628E-02
26	2.82631048E-02	-2.66017166E-02	2.50105176E-02
27	3.08307640E-02	-2.91477196E-02	2.75146536E-02
28	3.32476010E-02	-3.15955738E-02	2.99640618E-02
29	3.54086767E-02	-3.38547069E-02	3.22806457E-02

L R	0 48	0 49	0 50
EIGENVALUE	-2.53969074E+01	-2.59073416E+01	-2.64176816E+01
COEFFICIENT			
0	-9.05216912E-06	-8.28243124E-06	7.58399233E-06
1	-2.29369907E-05	-2.09863027E-05	1.92163334E-05
2	-5.29686957E-05	-4.84599906E-05	4.43694367E-05
3	-9.84002274E-05	-9.00260511E-05	8.24283402E-05
4	-1.63846730E-04	-1.49916888E-04	1.37277059E-04
5	-2.54733338E-04	-2.33114038E-04	2.13492600E-04
6	-3.77348711E-04	-3.45400720E-04	3.16396201E-04
7	-5.38883279E-04	-4.93401382E-04	4.52093538E-04
8	-7.47447349E-04	-6.84603986E-04	6.27500130E-04
9	-1.01206351E-03	-9.27360100E-04	8.50347594E-04
10	-1.34262712E-03	-1.23085726E-03	1.12916583E-03
11	-1.74982797E-03	-1.60505753E-03	1.47323568E-03
12	-2.24502594E-03	-2.06059568E-03	1.89250632E-03
13	-2.84007284E-03	-2.60863015E-03	2.39747090E-03
14	-3.54707261E-03	-3.26063947E-03	2.99899429E-03
15	-4.37807227E-03	-4.02815729E-03	3.70808611E-03
16	-5.34467589E-03	-4.92243893E-03	4.53561290E-03
17	-6.45757531E-03	-5.95405311E-03	5.49194327E-03
18	-7.72599173E-03	-7.13239357E-03	6.58652079E-03
19	-9.15702464E-03	-8.46510636E-03	7.82736052E-03
20	-1.07549061E-02	-9.95743052E-03	9.22046626E-03
21	-1.25201615E-02	-1.16114521E-02	1.07691678E-02
22	-1.44486809E-02	-1.34252744E-02	1.24733798E-02
23	-1.65307089E-02	-1.53921097E-02	1.43287862E-02
24	-1.87497651E-02	-1.74993035E-02	1.63259582E-02
25	-2.10815123E-02	-1.97273036E-02	1.84494170E-02
26	-2.34925934E-02	-2.20485936E-02	2.06766565E-02
27	-2.59394665E-02	-2.44266140E-02	2.29771464E-02
28	-2.83672712E-02	-2.68147008E-02	2.53113400E-02
29	-3.07087676E-02	-2.91550764E-02	2.76297188E-02

L R	0 51	0 52	0 53
EIGENVALUE	-2.69279436E+01	-2.74381623E+01	-2.79484350E+01
COEFFICIENT			
0	6.94764712E-06	-6.36268321E-06	5.81063117E-06
1	1.76037485E-05	-1.61213969E-05	1.47224755E-05
2	4.06430136E-05	-3.72179162E-05	3.39860001E-05
3	7.55067945E-05	-6.91447829E-05	6.31414288E-05
4	1.25760707E-04	-1.15173996E-04	1.05182661E-04
5	1.95611383E-04	-1.79170025E-04	1.63649417E-04
6	2.89956157E-04	-2.65637713E-04	2.42673094E-04
7	4.14423391E-04	-3.79762285E-04	3.47015995E-04
8	5.75400147E-04	-5.27438540E-04	4.82101361E-04
9	7.80043324E-04	-7.15285806E-04	6.54031207E-04
10	1.03626991E-03	-9.50644790E-04	8.69588501E-04
11	1.35272151E-03	-1.24155201E-03	1.13621989E-03
12	1.73869786E-03	-1.59668708E-03	1.46199476E-03
13	2.20405383E-03	-2.02528789E-03	1.85553610E-03
14	2.75905386E-03	-2.53702823E-03	2.32591842E-03
15	3.41417809E-03	-3.14185262E-03	2.88252782E-03
16	4.17987416E-03	-3.84976277E-03	3.53487920E-03
17	5.06624903E-03	-4.67055046E-03	4.29238571E-03
18	6.08269588E-03	-5.61347207E-03	5.16407609E-03
19	7.23745167E-03	-6.68686047E-03	6.15825549E-03
20	8.53708256E-03	-7.89767119E-03	7.28210691E-03
21	9.98589555E-03	-9.25096094E-03	8.54123082E-03
22	1.15852770E-02	-1.07492983E-02	9.93912221E-03
23	1.33329609E-02	-1.23921083E-02	1.14765862E-02
24	1.52222332E-02	-1.41749556E-02	1.31510949E-02
25	1.72410798E-02	-1.60887728E-02	1.49560919E-02
26	1.93712936E-02	-1.81190452E-02	1.68802509E-02
27	2.15875542E-02	-2.02449645E-02	1.89067032E-02
28	2.38565040E-02	-2.24385717E-02	2.10122451E-02
29	2.61358468E-02	-2.46639091E-02	2.31665479E-02

L	R	0	0	0
		54	55	56
EIGENVALUE		-2.84591971E+01	-2.99968569E+01	-3.74100996E+01
COEFFICIENT				
K				
0		5.22626317E-06	-1.12248658E-05	6.95043310E-06
1		1.32417121E-05	-2.84394362E-05	1.76077713E-05
2		3.05656963E-05	-6.56341535E-05	4.06086617E-05
3		5.67878474E-05	-1.21946701E-04	7.54622637E-05
4		9.46059900E-05	-2.03201543E-04	1.25842706E-04
5		1.47212993E-04	-3.16311032E-04	1.96152555E-04
6		2.18339834E-04	-4.69378790E-04	2.91610903E-04
7		3.12293210E-04	-6.71794401E-04	4.18342790E-04
8		4.33985473E-04	-9.34315169E-04	5.83468547E-04
9		5.88954271E-04	-1.26912988E-03	7.95191232E-04
10		7.83368901E-04	-1.68989874E-03	1.06287993E-03
11		1.02402003E-03	-2.21176280E-03	1.39714630E-03
12		1.31828908E-03	-2.85131565E-03	1.80991125E-03
13		1.67409333E-03	-3.62652925E-03	2.31445838E-03
14		2.09980247E-03	-4.55662531E-03	2.92547011E-03
15		2.60412228E-03	-5.66188310E-03	3.65904227E-03
16		3.19594082E-03	-6.96337423E-03	4.53267229E-03
17		3.88413295E-03	-8.48261484E-03	5.56521587E-03
18		4.67731874E-03	-1.02411256E-02	6.77680653E-03
19		5.58357210E-03	-1.22598906E-02	8.18873216E-03
20		6.61007634E-03	-1.45587070E-02	9.82326257E-03
21		7.76272439E-03	-1.71554179E-02	1.17034216E-02
22		9.04566246E-03	-2.00650242E-02	1.38526977E-02
23		1.04607773E-02	-2.32986711E-02	1.62946867E-02
24		1.20071294E-02	-2.68625112E-02	1.90526606E-02
25		1.36803354E-02	-3.07564459E-02	2.21490582E-02
26		1.54719076E-02	-3.49727545E-02	2.56048909E-02
27		1.73685586E-02	-3.94946235E-02	2.94390623E-02
28		1.93514837E-02	-4.42945947E-02	3.36675984E-02
29		2.13956376E-02	-4.93329576E-02	3.83027872E-02

L	R	1	1	1
		0	1	2
EIGENVALUE		-1.00000000E+00	-1.62519664E+00	-2.17741228E+00
COEFFICIENT				
K				
0		3.29918525E-01	-7.36282872E-02	-3.88397730E-02
1		0.0	-2.33375759E-01	-9.52260026E-02
2		0.0	2.66181162E-02	-1.80247805E-01
3		0.0	4.79475825E-03	3.97419952E-02
4		0.0	1.40884669E-03	7.24944098E-03
5		0.0	5.06508115E-04	2.22605556E-03
6		0.0	2.05059445E-04	8.26920710E-04
7		0.0	9.01613924E-05	3.41139613E-04
8		0.0	4.22369454E-05	1.50896408E-04
9		0.0	2.08404543E-05	7.03270659E-05
10		0.0	1.07485947E-05	3.42060120E-05
11		0.0	5.76255266E-06	1.72659582E-05
12		0.0	3.19739833E-06	9.01338362E-06
13		0.0	1.82938709E-06	4.85497447E-06
14		0.0	1.07585873E-06	2.69349488E-06
15		0.0	6.48506622E-07	1.53668841E-06
16		0.0	3.99653199E-07	9.00112335E-07
17		0.0	2.51235923E-07	5.40400338E-07
18		0.0	1.60783479E-07	3.31940865E-07
19		0.0	1.04567851E-07	2.08221678E-07
20		0.0	6.90054481E-08	1.33139417E-07
21		0.0	4.61438949E-08	8.66216853E-08
22		0.0	3.12308558E-08	5.72478906E-08
23		0.0	2.13723032E-08	3.83744795E-08
24		0.0	1.47751655E-08	2.60545102E-08
25		0.0	1.03107685E-08	1.78960977E-08
26		0.0	7.25825831E-09	1.24226111E-08
27		0.0	5.15105600E-09	8.70664927E-09
28		0.0	3.68342245E-09	6.15645019E-09
29		0.0	2.65272558E-09	4.38888364E-09

L	1	4	5
R	3	4	5
EIGENVALUE	-2.71692051E+00	-3.25046821E+00	-3.78035403E+00
COEFFICIENT			
K			
0	2 41828476E-02	1 63427850E-02	1 16253887E-02
1	5 53755023E-02	3 63403874E-02	2 54514815E-02
2	9 27265299E-02	5 91794742E-02	4 10913595E-02
3	1 44984584E-01	8 65328466E-02	5 93293526E-02
4	4 83243446E-02	1 19026395E-01	7 96256792E-02
5	8 61713895E-03	-5 44400248E-02	9 86706485E-02
6	-2 70715533E-03	-9 27462361E-03	-5 89699337E-02
7	-1 02520388E-03	-2 94039485E-03	-9 42707912E-03
8	-4 27205654E-04	-1 12344561E-03	-2 98640002E-03
9	-1 88820156E-04	-4 68803528E-04	-1 14110045E-03
10	-8 69251791E-05	-2 05273667E-04	-4 72577818E-04
11	-4 12658843E-05	-9 23263391E-05	-2 02712304E-04
12	-2 00864770E-05	-4 20647728E-05	-8 75464375E-05
13	-9 99289312E-06	-1 91960041E-05	-3 70830659E-05
14	-5 07295269E-06	-8 67252422E-06	-1 48491440E-05
15	-2 62662383E-06	-3 81976519E-06	-5 19648123E-06
16	-1 38746418E-06	-1 59846774E-06	-1 17879836E-06
17	-7 48296715E-07	-6 01337834E-07	3 43224919E-07
18	-4 12491527E-07	-1 70627694E-07	7 95100974E-07
19	-2 32661407E-07	1 94924178E-09	8 18650118E-07
20	-1 34400124E-07	6 03282789E-08	6 95650664E-07
21	-7 95556799E-08	7 09142536E-08	5 43522948E-07
22	-4 82548647E-08	6 36361004E-08	4 06138554E-07
23	-2 99750898E-08	5 14230557E-08	2 95763658E-07
24	-1 90478644E-08	3 94279944E-08	2 12126339E-07
25	-1 23631942E-08	2 93627159E-08	1 50810674E-07
26	-8 18141629E-09	2 15051830E-08	1 06734316E-07
27	-5 50942522E-09	1 56045566E-08	7 54190875E-08
28	-3 76826194E-09	1 12707787E-08	5 33167853E-08
29	-2 61313965E-09	8 12824062E-09	3 77659349E-08

L	1	7	8
R	6	7	8
EIGENVALUE	-4.30767341E+00	-4.83305031E+00	-5.35688185E+00
COEFFICIENT			
K			
0	-8 57301211E-03	6 49593726E-03	-5 02851036E-03
1	-1 85930564E-02	1 40003880E-02	-1 07893608E-02
2	-2 99437514E-02	2 25422168E-02	-1 73829460E-02
3	-4 31701833E-02	3 25593957E-02	-2 51787737E-02
4	-5 79066671E-02	4 38489152E-02	-3 40788380E-02
5	-7 27312986E-02	5 56716881E-02	-4 36647322E-02
6	-8 20477441E-02	6 60693414E-02	-5 29776123E-02
7	6 23735468E-02	6 80986113E-02	-5 97108911E-02
8	9 20222645E-03	-6 49234744E-02	-5 61699878E-02
9	2 88928928E-03	-8 68636633E-03	6 67969143E-02
10	1 09468511E-03	-2 68221223E-03	7 94138156E-03
11	4 45144266E-04	-9 97915093E-04	2 39074207E-03
12	1 83996213E-04	-3 92556167E-04	8 62112687E-04
13	7 39413766E-05	-1 51981106E-04	3 20147199E-04
14	2 70294820E-05	-5 29622565E-05	1 09332612E-04
15	-7 44871543E-06	-1 26999576E-05	2 60268128E-05
16	-1 92746502E-07	2 53815461E-06	-5 10238380E-06
17	-2 69928427E-06	7 20675019E-06	-1 46297020E-05
18	-3 10355913E-06	7 63052168E-06	-1 55430695E-05
19	-2 74183764E-06	6 56302229E-06	-1 34188602E-05
20	-2 18154348E-06	5 16048518E-06	-1 05919459E-05
21	-1 64450528E-06	3 86635910E-06	-7 96425498E-06
22	-1 20152691E-06	2 81426114E-06	-5 81458686E-06
23	-8 61318825E-07	2 01150213E-06	-4 16525824E-06
24	-6 10269776E-07	1 42108941E-06	-2 94641461E-06
25	-4 29428953E-07	9 96689510E-07	-2 06689298E-06
26	-3 01100843E-07	6 96095521E-07	-1 44216919E-06
27	-2 10872595E-07	4 85209974E-07	-1 00312458E-06
28	-1 47768945E-07	3 38134458E-07	-6 96754453E-07
29	-1 03747814E-07	2 35900858E-07	-4 83931296E-07

L R	1 9	1 10	1 11
EIGENVALUE	-5.87944060E+00	-6.40092410E+00	-6.92148149E+00
COEFFICIENT			
K			
0	3.96096904E-03	-3.16573368E-03	2.56160375E-03
1	8.47021209E-03	-6.75178268E-03	5.45162797E-03
2	1.36589066E-02	-1.08981872E-02	8.80754849E-03
3	1.98437665E-02	-1.58777283E-02	1.28646470E-02
4	2.69912599E-02	-2.16955166E-02	1.76503888E-02
5	3.48568539E-02	-2.82093794E-02	2.30856904E-02
6	4.29003937E-02	-3.50938735E-02	2.89686688E-02
7	5.00158724E-02	-4.17263364E-02	3.49185685E-02
8	5.36761613E-02	-4.69019636E-02	4.02551629E-02
9	4.58316778E-02	-4.79662278E-02	4.37111361E-02
10	-6.81172194E-02	-3.67852642E-02	4.25746000E-02
11	-7.01370417E-03	6.89749554E-02	2.88147713E-02
12	-2.03505068E-03	5.93942970E-03	-6.94394793E-02
13	-6.96634686E-04	1.63134642E-03	-4.74741654E-03
14	-2.32532813E-04	5.09241748E-04	-1.19285214E-03
15	-5.84544933E-05	1.33670535E-04	-3.06397595E-04
16	5.54334668E-06	1.47198838E-06	-2.69368872E-05
17	2.56105209E-05	-4.05497739E-05	5.97591079E-05
18	2.83579599E-05	-4.81154989E-05	7.79250475E-05
19	2.49041032E-05	-4.32843875E-05	7.19760733E-05
20	1.98691064E-05	-3.50080170E-05	5.90077669E-05
21	1.50595992E-05	-2.67946703E-05	4.55946813E-05
22	1.10644223E-05	-1.98398036E-05	3.40219984E-05
23	7.96550726E-06	-1.43744485E-05	2.48142831E-05
24	5.65569939E-06	-1.02592246E-05	1.78125362E-05
25	3.97734293E-06	-7.24387151E-06	1.26386157E-05
26	2.77860161E-06	-5.07509239E-06	8.89962138E-06
27	1.93260171E-06	-3.53568059E-06	6.21130065E-06
28	1.34054390E-06	-2.45346060E-06	4.31800769E-06
29	9.28614624E-07	-1.69800643E-06	2.99040152E-06

L R	1 12	1 13	1 14
EIGENVALUE	-7.44122898E+00	-7.96025946E+00	-8.47864870E+00
COEFFICIENT			
K			
0	2.09497592E-03	1.72938250E-03	1.43937598E-03
1	4.45064384E-03	3.66846797E-03	3.04937841E-03
2	7.19629908E-03	5.93595396E-03	4.93742690E-03
3	1.05350165E-02	8.70725760E-03	7.25522469E-03
4	1.45063649E-02	1.20276362E-02	1.00497582E-02
5	1.90710403E-02	1.58830337E-02	1.33228833E-02
6	2.41033413E-02	2.01966923E-02	1.70300288E-02
7	2.93600822E-02	2.48101611E-02	2.10676541E-02
8	3.44207603E-02	2.94498168E-02	2.52526098E-02
9	3.85662676E-02	3.36669095E-02	2.92887576E-02
10	4.04952228E-02	3.67183448E-02	3.27082977E-02
11	3.74917849E-02	3.72913819E-02	3.47563287E-02
12	2.17582661E-02	3.27071828E-02	3.41270097E-02
13	-6.95657339E-02	1.54906513E-02	2.82098978E-02
14	-3.46125959E-03	-6.93984512E-02	9.91278239E-03
15	-7.30488710E-04	-2.10060040E-03	-6.89748714E-02
16	-9.35061421E-05	-2.53364868E-04	-6.82028148E-04
17	8.47962774E-05	1.24901462E-04	2.30863532E-04
18	1.23632263E-04	1.99092416E-04	3.45018847E-04
19	1.16730574E-04	1.88766179E-04	3.13889673E-04
20	9.66212817E-05	1.56149344E-04	2.53980451E-04
21	7.51674263E-05	1.21549031E-04	1.95476431E-04
22	5.64285068E-05	9.14436643E-05	1.46322534E-04
23	4.13928907E-05	6.72993483E-05	1.07556530E-04
24	2.98745332E-05	4.87654615E-05	7.80222199E-05
25	2.13031327E-05	3.49227180E-05	5.60142406E-05
26	1.50505311E-05	2.47777274E-05	3.98719329E-05
27	1.05553028E-05	1.74464908E-05	2.81751754E-05
28	7.35917300E-06	1.22063500E-05	1.97829662E-05
29	5.10643505E-06	8.49394892E-06	1.38115875E-05

L R	1 15	1 16	1 17
EIGENVALUE	-8.99645959E+00	-9.51374505E+00	-1.00305502E+01
COEFFICIENT			
K			
0	-1.20680880E-03	-1.01849305E-03	-8.64685252E-04
1	-2.55383811E-03	-2.15323352E-03	-1.82649693E-03
2	-4.13746515E-03	-3.49024581E-03	-2.96199222E-03
3	-6.08908814E-03	-5.14355273E-03	-4.37032300E-03
4	-8.45503824E-03	-7.15745463E-03	-6.09302541E-03
5	-1.12469823E-02	-9.54941012E-03	-8.15069931E-03
6	-1.44417487E-02	-1.23104944E-02	-1.05438327E-02
7	-1.79725391E-02	-1.53989752E-02	-1.32479711E-02
8	-2.17151684E-02	-1.87305617E-02	-1.62064852E-02
9	-2.54676155E-02	-2.21648576E-02	-1.93210169E-02
10	-2.89175524E-02	-2.54856197E-02	-2.24385064E-02
11	-3.15857365E-02	-2.83695895E-02	-2.53323679E-02
12	-3.27155266E-02	-3.03324678E-02	-2.76728677E-02
13	-3.10226864E-02	-3.06242252E-02	-2.89760473E-02
14	-2.39890861E-02	-2.79940424E-02	-2.85054150E-02
15	-4.94432982E-03	-2.00341014E-02	-2.50529966E-02
16	6.83265696E-02	-5.18950399E-04	-1.63345507E-02
17	-7.80281254E-04	6.74807226E-02	3.41907014E-03
18	-7.15724445E-04	-2.27409949E-03	6.64610139E-02
19	-5.63646530E-04	-1.19572420E-03	-3.78879836E-03
20	-4.27448832E-04	-7.78097227E-04	-1.66618785E-03
21	-3.18272560E-04	-5.38308983E-04	-9.86119070E-04
22	-2.34108750E-04	-3.80796865E-04	-6.45249850E-04
23	-1.70565673E-04	-2.71534914E-04	-4.40845785E-04
24	-1.23263678E-04	-1.93957951E-04	-3.07325601E-04
25	-8.84362957E-05	-1.38357755E-04	-2.16229388E-04
26	-6.30297331E-05	-9.84035052E-05	-1.52663579E-04
27	-4.46460574E-05	-6.97176553E-05	-1.07806919E-04
28	-3.14417068E-05	-4.91793484E-05	-7.59979836E-05
29	-2.20215701E-05	-3.45307308E-05	-5.34158782E-05

L R	1 18	1 19	1 20
EIGENVALUE	-1.05469139E+01	-1.10628698E+01	-1.15784477E+01
COEFFICIENT			
K			
0	-7.38080583E-04	6.33130531E-04	-5.45570866E-04
1	-1.55787969E-03	1.33544966E-03	-1.15005665E-03
2	-2.52742669E-03	2.16737652E-03	-1.86712416E-03
3	-3.73313554E-03	3.20439924E-03	-2.76287352E-03
4	-5.21344868E-03	4.48178674E-03	-3.86946983E-03
5	-6.99036841E-03	6.02181678E-03	-5.20875149E-03
6	-9.07049167E-03	7.83492427E-03	-6.79342851E-03
7	-1.14413115E-02	9.91683861E-03	-8.62485355E-03
8	-1.40656770E-02	1.22442445E-02	-1.06895725E-02
9	-1.68747202E-02	1.47693553E-02	-1.29550528E-02
10	-1.97587723E-02	1.74132216E-02	-1.53645602E-02
11	-2.25550853E-02	2.00571932E-02	-1.78309038E-02
12	-2.50300396E-02	2.25313879E-02	-2.02284672E-02
13	-2.68512359E-02	2.45980054E-02	-2.23824535E-02
14	-2.75396257E-02	2.59252519E-02	-2.40533572E-02
15	-2.63779795E-02	2.60428532E-02	-2.49128000E-02
16	-2.22086122E-02	2.42575428E-02	-2.45025385E-02
17	-1.28803108E-02	1.94677080E-02	-2.21570931E-02
18	6.91720717E-03	9.66152857E-03	-1.68353094E-02
19	6.52882962E-02	-1.00164352E-02	-6.66861393E-03
20	-5.31508485E-03	-6.39810877E-02	1.27525161E-02
21	-2.12313320E-03	6.84479535E-03	6.25559507E-02
22	-1.18583281E-03	2.56316984E-03	-8.37073298E-03
23	-7.47259751E-04	1.37567993E-03	-2.98341720E-03
24	-4.97833112E-04	8.43508292E-04	-1.55437948E-03
25	-3.41124629E-04	5.51279303E-04	-9.33323006E-04
26	-2.37155585E-04	3.72640823E-04	-6.00798544E-04
27	-1.66035305E-04	2.56553069E-04	-4.01640645E-04
28	-1.16549052E-04	1.78353661E-04	-2.74274971E-04
29	-8.18039120E-05	1.24550165E-04	-1.89523317E-04

L R	1 21	1 22	1 23
EIGENVALUE	-1.20936735E+01	-1.26085705E+01	-1.31231593E+01
COEFFICIENT			
K			
0	-4.72089422E-04	4.10088616E-04	-3.57513258E-04
1	-9.94607152E-04	8.63547520E-04	-7.52490478E-04
2	-1.61524949E-03	1.40280396E-03	-1.22271290E-03
3	-2.39203349E-03	2.07889990E-03	-1.81318946E-03
4	-3.35417544E-03	2.91830215E-03	-2.54785527E-03
5	-4.52263707E-03	3.94084470E-03	-3.44528980E-03
6	-5.91133122E-03	5.16091323E-03	-4.51986096E-03
7	-7.52538163E-03	6.58608551E-03	-5.78066417E-03
8	-9.35835346E-03	8.21489335E-03	-7.22970545E-03
9	-1.13888308E-02	1.00340466E-02	-8.85963105E-03
10	-1.35763798E-02	1.20151870E-02	-1.06510795E-02
11	-1.58567747E-02	1.41111288E-02	-1.25696527E-02
12	-1.81361901E-02	1.62514412E-02	-1.45624412E-02
13	-2.02838099E-02	1.83370860E-02	-1.65539585E-02
14	-2.21218644E-02	2.02336054E-02	-1.84412202E-02
15	-2.34112943E-02	2.17619621E-02	-2.00875069E-02
16	-2.38295489E-02	2.26854144E-02	-2.13140126E-02
17	-2.29331437E-02	2.26893012E-02	-2.18879378E-02
18	-2.00874534E-02	2.13471632E-02	-2.15042654E-02
19	-1.43149882E-02	1.80576442E-02	-1.97554224E-02
20	-3.89223259E-03	1.19091258E-02	-1.60751692E-02
21	1.51569695E-02	1.32329819E-03	-9.61912016E-03
22	6.10277866E-02	-1.72578168E-02	1.04703432E-03
23	-9.88653701E-03	-5.94100688E-02	1.90801576E-02
24	-3.38143724E-03	1.13865765E-02	5.77150301E-02
25	-1.72089179E-03	3.75517849E-03	-1.28658626E-02
26	-1.01616929E-03	1.87438778E-03	-4.10292909E-03
27	-6.46087377E-04	1.09163311E-03	-2.01422273E-03
28	-4.27941581E-04	6.86914705E-04	-1.15940602E-03
29	-2.90207049E-04	4.51406205E-04	-7.23112993E-04

L R	1 24	1 25	1 26
EIGENVALUE	-1.36374586E+01	-1.41514850E+01	-1.46652539E+01
COEFFICIENT			
K			
0	-3.12724122E-04	2.74403991E-04	2.41487109E-04
1	-6.57941501E-04	5.77096007E-04	5.07687353E-04
2	-1.06933735E-03	9.38148765E-04	8.25485116E-04
3	-1.58668979E-03	1.39279419E-03	1.22615159E-03
4	-2.23162279E-03	1.96055883E-03	1.72731760E-03
5	-3.02141627E-03	2.65743098E-03	2.34372103E-03
6	-3.97009774E-03	3.49689276E-03	3.08817565E-03
7	-5.08761638E-03	4.48927937E-03	3.97107670E-03
8	-6.37836339E-03	5.64057150E-03	4.99941346E-03
9	-7.83930438E-03	6.95085258E-03	6.17549106E-03
10	-9.45779774E-03	8.41249887E-03	7.49542162E-03
11	-1.12091141E-02	1.00081245E-02	8.94740804E-03
12	-1.30536337E-02	1.17082794E-02	1.05098281E-02
13	-1.49336533E-02	1.34688720E-02	1.21491122E-02
14	-1.67696652E-02	1.52282506E-02	1.38173870E-02
15	-1.84558702E-02	1.69038201E-02	1.54498238E-02
16	-1.98545128E-02	1.83879801E-02	1.69615837E-02
17	-2.07883350E-02	1.95430266E-02	1.82441738E-02
18	-2.10298857E-02	2.01944049E-02	1.91609063E-02
19	-2.02852732E-02	2.01212237E-02	1.95409400E-02
20	-1.81673146E-02	1.90419549E-02	1.91709802E-02
21	-1.41462436E-02	1.65909953E-02	1.77828847E-02
22	-7.44555094E-03	1.22759804E-02	1.50335402E-02
23	3.22737430E-03	5.38831433E-03	1.04685429E-02
24	2.06466246E-02	-5.22610013E-03	3.44673329E-03
25	5.59538145E-02	-2.19777444E-02	-7.05136314E-03
26	-1.43199755E-02	-5.41366033E-02	-3.0922290E-02
27	-4.42327699E-03	1.57450025E-02	-5.22727189E-02
28	-2.13991390E-03	4.71507588E-03	1.71374855E-02
29	-1.21927209E-03	2.25112099E-03	4.97741594E-03



L R	1 27	1 28	1 29
EIGENVALUE	-1.51787790E+01	-1.56920730E+01	-1.62051473E+01
COEFFICIENT			
K			
0	-2.13105666E-04	-1.88548833E-04	-1.67231140E-04
1	-4.47871764E-04	-3.96140400E-04	-3.51251569E-04
2	-7.28365967E-04	-6.44351117E-04	-5.71431507E-04
3	-1.08240059E-03	-9.57965657E-04	-8.49899430E-04
4	-1.52589778E-03	-1.35136882E-03	-1.19965848E-03
5	-2.07240606E-03	-1.83699173E-03	-1.63209917E-03
6	-2.73400495E-03	-2.42615296E-03	-2.15777905E-03
7	-3.52092612E-03	-3.12877099E-03	-2.78620716E-03
8	-4.44074479E-03	-3.95270128E-03	-3.52530011E-03
9	-5.49731826E-03	-4.90285306E-03	-4.38064592E-03
10	-6.68952359E-03	-5.98013045E-03	-5.35461395E-03
11	-8.00981615E-03	-7.18021700E-03	-6.44532698E-03
12	-9.44262048E-03	-8.49221532E-03	-7.64550608E-03
13	-1.09625570E-02	-9.89715012E-03	-8.94119749E-03
14	-1.25324973E-02	-1.13663372E-02	-1.03103892E-02
15	-1.41014222E-02	-1.28596122E-02	-1.17215201E-02
16	-1.56020300E-02	-1.43233970E-02	-1.31318774E-02
17	-1.69480018E-02	-1.56885599E-02	-1.44858652E-02
18	-1.80307658E-02	-1.68679920E-02	-1.57131085E-02
19	-1.87155046E-02	-1.77537713E-02	-1.67263326E-02
20	-1.88359705E-02	-1.82137049E-02	-1.74189154E-02
21	-1.81873452E-02	-1.80869002E-02	-1.76619514E-02
22	-1.65157005E-02	-1.71777538E-02	-1.73005583E-02
23	-1.35010788E-02	-1.52472074E-02	-1.61489584E-02
24	-8.72727248E-03	-1.19989061E-02	-1.39834635E-02
25	-1.61964923E-03	-7.05479557E-03	-1.05315776E-02
26	8.71109102E-03	9.45009381E-05	-5.45311500E-03
27	2.40072125E-02	1.02129909E-02	1.69761994E-03
28	5.03707133E-02	2.47384460E-02	1.15645519E-02
29	-1.84943758E-02	4.84384433E-02	2.53004581E-02

L R	1 30	1 31	1 32
EIGENVALUE	-1.67180126E+01	-1.72306787E+01	-1.77431546E+01
COEFFICIENT			
K			
0	1.48667873E-04	1.32455785E-04	1.18257875E-04
1	3.12178070E-04	2.78065962E-04	2.48202069E-04
2	5.07944436E-04	4.52507121E-04	4.03964301E-04
3	7.55759969E-04	6.73514373E-04	6.01462630E-04
4	1.06738679E-03	9.51735349E-04	8.50343725E-04
5	1.45325253E-03	1.29671089E-03	1.15933452E-03
6	1.92317123E-03	1.71754037E-03	1.53685544E-03
7	2.48618465E-03	2.22276783E-03	1.99094173E-03
8	3.15011565E-03	2.82001504E-03	2.52894199E-03
9	3.92095368E-03	3.51546791E-03	3.15708835E-03
10	4.80210532E-03	4.31324444E-03	3.87996280E-03
11	5.79352310E-03	5.21465513E-03	4.69986831E-03
12	6.89072140E-03	6.21736260E-03	5.61611005E-03
13	8.08368836E-03	7.31444835E-03	6.62419286E-03
14	9.35570270E-03	8.49339524E-03	7.71494284E-03
15	1.06820633E-02	9.73499506E-03	8.87356218E-03
16	1.20287356E-02	1.10121896E-02	1.00786272E-02
17	1.33509128E-02	1.22888506E-02	1.13010385E-02
18	1.45914794E-02	1.35184997E-02	1.25029313E-02
19	1.56793527E-02	1.46429610E-02	1.36365479E-02
20	1.65276545E-02	1.55909309E-02	1.46430738E-02
21	1.70316418E-02	1.62764347E-02	1.54514274E-02
22	1.70662769E-02	1.65971220E-02	1.59769920E-02
23	1.64832452E-02	1.64323272E-02	1.61202637E-02
24	1.51070904E-02	1.56407726E-02	1.57653834E-02
25	1.27298561E-02	1.40577148E-02	1.47784993E-02
26	9.10299208E-03	1.14911669E-02	1.30058781E-02
27	3.92368797E-03	7.71646193E-03	1.02716293E-02
28	-3.19189476E-03	2.46749335E-03	6.37477558E-03
29	-1.27730480E-02	-4.57974925E-03	1.08509006E-03

L R	1 33	1 34	1 35
EIGENVALUE	-1.82554486E+01	-1.87675686E+01	-1.92795218E+01
COEFFICIENT			
K			
0	-1.05791297E-04	9.48176976E-05	8.51354495E-05
1	-2.21988189E-04	1.98920507E-04	1.78573063E-04
2	-3.61346635E-04	3.23837474E-04	2.90746165E-04
3	-5.38177074E-04	4.82453954E-04	4.33274468E-04
4	-7.61226881E-04	6.82708965E-04	6.13369926E-04
5	-1.03847787E-03	9.31903426E-04	8.37712061E-04
6	-1.37771096E-03	1.23721975E-03	1.11292587E-03
7	-1.78645506E-03	1.60569227E-03	1.44556899E-03
8	-2.27173950E-03	2.04400400E-03	1.84196504E-03
9	-2.83973387E-03	2.55818464E-03	2.30795020E-03
10	-3.49529691E-03	3.15322878E-03	2.84854971E-03
11	-4.24144108E-03	3.83263951E-03	3.46758853E-03
12	-5.07871687E-03	4.59790052E-03	4.16723816E-03
13	-6.00452159E-03	5.44787980E-03	4.94750178E-03
14	-7.01233888E-03	6.37817022E-03	5.80564166E-03
15	-8.09091759E-03	7.38037401E-03	6.73555450E-03
16	-9.22339958E-03	8.44134017E-03	7.72710267E-03
17	-1.03864071E-02	9.54236522E-03	8.76541075E-03
18	-1.15490999E-02	1.06583683E-02	9.83013856E-03
19	-1.26722109E-02	1.17570523E-02	1.08947422E-02
20	-1.37070674E-02	1.27980611E-02	1.19257359E-02
21	-1.45946026E-02	1.37321435E-02	1.28819666E-02
22	-1.52643590E-02	1.45003348E-02	1.37139160E-02
23	-1.56334841E-02	1.50331643E-02	1.43630443E-02
24	-1.56057190E-02	1.52499063E-02	1.47611953E-02
25	-1.50703826E-02	1.50578937E-02	1.48300905E-02
26	-1.39013635E-02	1.43519363E-02	1.44809552E-02
27	-1.19561512E-02	1.30139117E-02	1.36143488E-02
28	-9.07497916E-03	1.09126670E-02	1.21203251E-02
29	-5.08025181E-03	7.90449967E-03	9.87915519E-03

L R	1 36	1 37	1 38
EIGENVALUE	-1.97913148E+01	-2.03029541E+01	-2.08144454E+01
COEFFICIENT			
K			
0	7.65733743E-05	-6.89856465E-05	6.22476336E-05
1	1.60584407E-04	-1.44646764E-04	1.30497206E-04
2	2.61486486E-04	-2.35559143E-04	2.12537487E-04
3	3.89773257E-04	-3.51212795E-04	3.16962474E-04
4	5.52002254E-04	-4.97575754E-04	4.49208730E-04
5	7.54286400E-04	-6.80244606E-04	6.14402451E-04
6	1.00273348E-03	-9.04848566E-04	8.17731017E-04
7	1.30344619E-03	-1.17705944E-03	1.06446041E-03
8	1.66238574E-03	-1.50248013E-03	1.35984442E-03
9	2.08515904E-03	-1.88646601E-03	1.70897456E-03
10	2.57674435E-03	-2.33389192E-03	2.11658223E-03
11	3.14115880E-03	-2.84886811E-03	2.58679566E-03
12	3.78106906E-03	-3.43440538E-03	3.12285177E-03
13	4.49734637E-03	-4.09203034E-03	3.72676324E-03
14	5.28856886E-03	-4.82135245E-03	4.39894168E-03
15	6.15047559E-03	-5.61958841E-03	5.13777955E-03
16	7.07537881E-03	-6.48103510E-03	5.93919491E-03
17	8.05154304E-03	-7.39654033E-03	6.79614496E-03
18	9.06254087E-03	-8.35291016E-03	7.69811607E-03
19	1.00865971E-02	-9.33233361E-03	8.63059967E-03
20	1.10959335E-02	-1.03117945E-02	9.57456496E-03
21	1.20561281E-02	-1.12624976E-02	1.05059409E-02
22	1.29255035E-02	-1.21493224E-02	1.13951213E-02
23	1.36545606E-02	-1.29303199E-02	1.22065093E-02
24	1.41854790E-02	-1.35562734E-02	1.28981189E-02
25	1.44517103E-02	-1.39703491E-02	1.34212573E-02
26	1.43777061E-02	-1.41078689E-02	1.37203183E-02
27	1.38788405E-02	-1.38962611E-02	1.37327276E-02
28	1.28616325E-02	-1.32552650E-02	1.33891036E-02
29	1.12244438E-02	-1.20975240E-02	1.26137302E-02

L R	1 39	1 40	1 41
EIGENVALUE	-2.13257943E+01	-2.18370060E+01	-2.23480854E+01
COEFFICIENT			
K			
0	-5.62524860E-05	5.09083276E-05	4.61359353E-05
1	-1.17910409E-04	1.06692702E-04	9.66771454E-05
2	-1.92055810E-04	1.73799704E-04	1.57498104E-04
3	-2.86481443E-04	2.59304473E-04	2.35030256E-04
4	-4.06144303E-04	3.67730866E-04	3.33405901E-04
5	-5.55742095E-04	5.03386253E-04	4.56576760E-04
6	-7.40054947E-04	6.70675845E-04	6.08603212E-04
7	-9.63968347E-04	8.74129637E-04	7.93684025E-04
8	-1.23239952E-03	1.11834300E-03	1.01610873E-03
9	-1.55017131E-03	1.40787079E-03	1.28016882E-03
10	-1.92184413E-03	1.74708446E-03	1.59003616E-03
11	-2.35150781E-03	2.13999381E-03	1.94961030E-03
12	-2.84253356E-03	2.59003321E-03	2.36233413E-03
13	-3.39728562E-03	3.09981174E-03	2.83097728E-03
14	-4.01679309E-03	3.67082739E-03	3.35738699E-03
15	-4.70038388E-03	4.30314627E-03	3.94220705E-03
16	-5.44528366E-03	4.99504931E-03	4.58456643E-03
17	-6.24618475E-03	5.74265010E-03	5.28174047E-03
18	-7.09479147E-03	6.53948930E-03	6.02878908E-03
19	-7.97934995E-03	7.37611251E-03	6.81817757E-03
20	-8.88417235E-03	8.23964015E-03	7.63938759E-03
21	-9.78916657E-03	9.11333933E-03	8.47852688E-03
22	-1.06693846E-02	9.97620954E-03	9.31794821E-03
23	-1.14946039E-02	1.08025952E-02	1.01358895E-02
24	-1.22289591E-02	1.15618409E-02	1.09061486E-02
25	-1.28306439E-02	1.22180064E-02	1.15978094E-02
26	-1.32517100E-02	1.27296653E-02	1.21750372E-02
27	-1.34379960E-02	1.30498138E-02	1.25969687E-02
28	-1.33292369E-02	1.31259303E-02	1.28177269E-02
29	-1.28594242E-02	1.29002388E-02	1.27866028E-02

L R	1 42	1 43	1 44
EIGENVALUE	-2.28590371E+01	-2.33698654E+01	-2.38805744E+01
COEFFICIENT			
K			
0	-4.18668092E-05	3.80415658E-05	-3.46085913E-05
1	-8.77194468E-05	7.96945563E-05	-7.24938192E-05
2	-1.42916670E-04	1.29852278E-04	-1.18128401E-04
3	-2.13311690E-04	1.93847768E-04	-1.76376788E-04
4	-3.02682501E-04	2.75138129E-04	-2.50405170E-04
5	-4.14656695E-04	3.77055430E-04	-3.43276064E-04
6	-5.52977686E-04	5.03051871E-04	-4.58174176E-04
7	-7.21536293E-04	6.56732440E-04	-6.08439547E-04
8	-9.24332886E-04	8.41825178E-04	-8.07544543E-04
9	-1.16540295E-03	1.06211888E-03	-9.69041823E-04
10	-1.44871372E-03	1.32137522E-03	-1.20648965E-03
11	-1.77803324E-03	1.62321644E-03	-1.48335560E-03
12	-2.15677135E-03	1.97098816E-03	-1.80289802E-03
13	-2.58779182E-03	2.36759627E-03	-2.16802458E-03
14	-3.07319513E-03	2.81531756E-03	-2.58112689E-03
15	-3.61407210E-03	3.31558365E-03	-3.04389113E-03
16	-4.21022944E-03	3.86873909E-03	-3.55708474E-03
17	-4.85988946E-03	4.47377516E-03	-4.12032047E-03
18	-5.55936725E-03	5.12804202E-03	-4.73179975E-03
19	-6.30273025E-03	5.82694299E-03	-5.38803841E-03
20	-7.08144624E-03	6.56361639E-03	-6.08357912E-03
21	-7.88402753E-03	7.32861114E-03	-6.81069594E-03
22	-8.69568028E-03	8.10956406E-03	-7.55909773E-03
23	-9.49796951E-03	8.99088832E-03	-8.31563851E-03
24	-1.02685122E-02	9.95348343E-03	-9.06404413E-03
25	-1.09807121E-02	1.03744796E-02	-9.78466620E-03
26	-1.16035537E-02	1.10270305E-02	-1.04542759E-02
27	-1.21014751E-02	1.15801724E-02	-1.10459125E-02
28	-1.24343443E-02	1.19987700E-02	-1.15288046E-02
29	-1.25575747E-02	1.22435764E-02	-1.18683859E-02

L R	1 45	1 46	1 47
EIGENVALUE	-2.43911682E+01	-2.49016506E+01	-2.54120252E+01
COEFFICIENT			
K			
0	3.15229078E-05	-2.87452116E-05	2.62410472E-05
1	6.60225783E-05	-6.01981408E-05	5.49480342E-05
2	1.07591229E-04	-9.81063706E-05	8.95560264E-05
3	1.60670627E-04	-1.46529886E-04	1.33779713E-04
4	2.28162978E-04	-2.08131110E-04	1.90063505E-04
5	3.12884811E-04	-2.85501962E-04	2.60794098E-04
6	4.17775149E-04	-3.81355808E-04	3.48477558E-04
7	5.45928692E-04	-4.98560323E-04	4.55771592E-04
8	7.00578364E-04	-6.40124646E-04	5.85476504E-04
9	8.85051982E-04	-8.09163395E-04	7.40505430E-04
10	1.10270881E-03	-1.00884284E-03	9.23838732E-04
11	1.35685697E-03	-1.24231007E-03	1.13846327E-03
12	1.65065111E-03	-1.51260462E-03	1.38729611E-03
13	1.98696949E-03	-1.82255173E-03	1.67309176E-03
14	2.36826975E-03	-2.17463638E-03	1.99833215E-03
15	2.79642267E-03	-2.57085743E-03	2.36509870E-03
16	3.27252419E-03	-3.01256193E-03	2.77492615E-03
17	3.79668628E-03	-3.50025974E-03	3.22863833E-03
18	4.36780819E-03	-4.03341970E-03	3.72616653E-03
19	4.98333048E-03	-4.61024918E-03	4.26635207E-03
20	5.63897534E-03	-5.22745980E-03	4.84673507E-03
21	6.32847782E-03	-5.88002312E-03	5.46333263E-03
22	7.04331352E-03	-6.56092104E-03	6.11041043E-03
23	7.77242983E-03	-7.26089696E-03	6.78025280E-03
24	8.50198891E-03	-7.96821469E-03	7.46293727E-03
25	9.21513184E-03	-8.66843349E-03	8.14612092E-03
26	9.89177507E-03	-9.34420878E-03	8.81484683E-03
27	1.05084520E-02	-9.97512975E-03	9.45138030E-03
28	1.10382150E-02	-1.05376069E-02	1.00350862E-02
29	1.14506157E-02	-1.10048249E-02	1.05423607E-02

L R	1 48	1 49	1 50
EIGENVALUE	-2.59222960E+01	-2.64324669E+01	-2.69425428E+01
COEFFICIENT			
K			
0	-2.39800788E-05	-2.19354102E-05	2.00828632E-05
1	-5.02084681E-05	-4.59229009E-05	4.20405204E-05
2	-8.18364922E-05	-7.48558336E-05	6.85314161E-05
3	-1.22266121E-04	-1.11852548E-04	1.02416187E-04
4	-1.73743337E-04	-1.58978200E-04	1.45594955E-04
5	-2.38467187E-04	-2.18260103E-04	1.99937658E-04
6	-3.18753237E-04	-2.91838661E-04	2.67423488E-04
7	-4.17065050E-04	-3.81997912E-04	3.50170380E-04
8	-5.36008261E-04	-4.91162159E-04	4.50433736E-04
9	-6.78306098E-04	-6.21875960E-04	5.70590206E-04
10	-8.46760788E-04	-7.76771550E-04	7.13110249E-04
11	-1.04420155E-03	-9.58524325E-04	8.80520087E-04
12	-1.27341868E-03	-1.16979596E-03	1.07535264E-03
13	-1.53708303E-03	-1.41316442E-03	1.30008670E-03
14	-1.83764982E-03	-1.69104000E-03	1.55707366E-03
15	-2.17724646E-03	-2.00556677E-03	1.84845097E-03
16	-2.55754353E-03	-2.35850891E-03	2.17604190E-03
17	-2.97960934E-03	-2.75112176E-03	2.54124127E-03
18	-3.44374818E-03	-3.18400779E-03	2.94488735E-03
19	-3.94932345E-03	-3.65695839E-03	3.38712020E-03
20	-4.49456747E-03	-4.16878257E-03	3.86722768E-03
21	-5.07638029E-03	-4.71712481E-03	4.38348059E-03
22	-5.69012100E-03	-5.29827459E-03	4.93295914E-03
23	-6.32939570E-03	-5.90697129E-03	5.51137385E-03
24	-6.98584735E-03	-6.53620890E-03	6.11288445E-03
25	-7.64895373E-03	-7.17704573E-03	6.72992142E-03
26	-8.30584079E-03	-7.81842557E-03	7.35301566E-03
27	-8.94111975E-03	-8.44701750E-03	7.97064241E-03
28	-9.53675783E-03	-9.04708291E-03	8.56908713E-03
29	-1.00719938E-02	-9.60037949E-03	9.13234142E-03

L	R	1	1	1
		51	52	53
EIGENVALUE		-2.74525292E+01	-2.79624347E+01	-2.84722738E+01
COEFFICIENT				
K				
0		1.83999887E-05	-1.68640830E-05	1.54459430E-05
1		3.85141679E-05	-3.52961812E-05	3.23253229E-05
2		6.27865284E-05	-5.75436090E-05	5.27029372E-05
3		9.38429704E-05	-8.60174558E-05	7.87909803E-05
4		1.33432639E-04	-1.22328121E-04	1.12070824E-04
5		1.83280948E-04	-1.68067708E-04	1.54010121E-04
6		2.45218431E-04	-2.24929078E-04	2.06172695E-04
7		3.21209101E-04	-2.94733038E-04	2.70244490E-04
8		4.13350880E-04	-3.79430123E-04	3.48036433E-04
9		5.23862575E-04	-4.81090300E-04	4.41476444E-04
10		6.55060862E-04	-6.01883734E-04	5.52593467E-04
11		8.09327814E-04	-7.44053145E-04	6.83494026E-04
12		9.89068607E-04	-9.09877403E-04	8.36330973E-04
13		1.19665874E-03	-1.10162575E-03	1.01326387E-03
14		1.43438000E-03	-1.32150195E-03	1.21641034E-03
15		1.70434459E-03	-1.57157770E-03	1.44787778E-03
16		2.00840669E-03	-1.85371475E-03	1.70924481E-03
17		2.34806128E-03	-2.16947530E-03	2.00238216E-03
18		2.72433014E-03	-2.52002069E-03	2.32846263E-03
19		3.13763523E-03	-2.90599820E-03	2.68831028E-03
20		3.58766024E-03	-3.32741688E-03	3.08219905E-03
21		4.07320161E-03	-3.78351297E-03	3.50973166E-03
22		4.59201072E-03	-4.27260660E-03	3.96970979E-03
23		5.14062965E-03	-4.79195171E-03	4.45999722E-03
24		5.71422386E-03	-5.33758165E-03	4.97737807E-03
25		6.30641537E-03	-5.90415402E-03	5.51741294E-03
26		6.90912139E-03	-6.48479842E-03	6.07429622E-03
27		7.51240360E-03	-7.07097211E-03	6.64071877E-03
28		8.10433472E-03	-7.65232692E-03	7.20774066E-03
29		8.67088961E-03	-8.21660784E-03	7.76467946E-03

L	R	1	1	1
		54	55	56
EIGENVALUE		-2.89820884E+01	-3.06473354E+01	-3.82809181E+01
COEFFICIENT				
K				
0		1.40735466E-05	-2.98436550E-05	1.75688128E-05
1		2.94507799E-05	-6.24365375E-05	3.67251809E-05
2		4.80187127E-05	-1.01816579E-04	5.99200005E-05
3		7.17963666E-05	-1.52286893E-04	8.97300848E-05
4		1.02139098E-04	-2.16757473E-04	1.27940626E-04
5		1.40392425E-04	-2.98134476E-04	1.76368617E-04
6		1.87992899E-04	-3.99538885E-04	2.37001114E-04
7		2.46492662E-04	-5.24364436E-04	3.12041122E-04
8		3.17563139E-04	-6.76292415E-04	4.03930353E-04
9		4.02989021E-04	-8.59286989E-04	5.15362964E-04
10		5.04655168E-04	-1.07757679E-03	6.49293854E-04
11		6.24526888E-04	-1.33562374E-03	8.08942281E-04
12		7.64623319E-04	-1.63807854E-03	9.97790671E-04
13		9.26983364E-04	-1.98972178E-03	1.21957807E-03
14		1.11362361E-03	-2.39538927E-03	1.47828757E-03
15		1.32648758E-03	-2.85988020E-03	1.77812681E-03
16		1.56738583E-03	-3.38784690E-03	2.12350082E-03
17		1.83792643E-03	-3.98366495E-03	2.51897616E-03
18		2.13943558E-03	-4.65128266E-03	2.96923553E-03
19		2.47286820E-03	-5.39404941E-03	3.47902183E-03
20		2.83870888E-03	-6.21452240E-03	4.05307091E-03
21		3.23686350E-03	-7.11425235E-03	4.69603211E-03
22		3.66654246E-03	-8.09354873E-03	5.41237580E-03
23		4.12613685E-03	-9.15122641E-03	6.20628743E-03
24		4.61308926E-03	-1.02843360E-02	7.08154756E-03
25		5.12376159E-03	-1.14878812E-02	8.04139763E-03
26		5.65330257E-03	-1.27545278E-02	9.08839156E-03
27		6.19551864E-03	-1.40743100E-02	1.02242335E-02
28		6.74275209E-03	-1.54343402E-02	1.14496022E-02
29		7.28577128E-03	-1.68185312E-02	1.27639640E-02

L R	2 0	2 1	2 2
EIGENVALUE	-2.42182630E+00	-2.82357568E+00	-3.27226561E+00
COEFFICIENT			
K			
0	-3.01618578E-01	2.27138640E-01	-1.47516008E-01
1	1.00986173E-01	1.24016696E-01	-1.14054432E-01
2	-2.54689193E-03	-7.49481531E-02	-7.70282521E-02
3	-6.44905314E-04	-3.94571571E-04	6.02737751E-02
4	-2.20821384E-04	1.89082121E-04	1.57781150E-03
5	-8.58670092E-05	1.35082726E-04	1.06457219E-04
6	-3.60392769E-05	7.42944823E-05	-5.40801127E-05
7	-1.59690592E-05	3.89625870E-05	-5.40272981E-05
8	-7.38405065E-06	2.03046865E-05	-3.61279457E-05
9	-3.53918176E-06	1.06485737E-05	-2.18738526E-05
10	-1.75110605E-06	5.64721840E-06	-1.27820533E-05
11	-8.92020760E-07	3.03511314E-06	-7.37327386E-06
12	-4.66997974E-07	1.65506894E-06	-4.24127131E-06
13	-2.50936929E-07	9.16368455E-07	-2.44577055E-06
14	-1.38247073E-07	5.15408488E-07	-1.41837324E-06
15	-7.80103203E-08	2.94584514E-07	-8.28933407E-07
16	-4.50406487E-08	1.71134209E-07	-4.88920447E-07
17	-2.65786826E-08	1.01056483E-07	-2.91350722E-07
18	-1.60111235E-08	6.06541445E-08	-1.75552152E-07
19	-9.83384179E-09	3.69938567E-08	-1.07020709E-07
20	-6.14999210E-09	2.29199257E-08	-6.60357579E-08
21	-3.91121288E-09	1.44177356E-08	-4.12518935E-08
22	-2.52628880E-09	9.20281464E-09	-2.60913716E-08
23	-1.65525060E-09	5.95646870E-09	-1.67074601E-08
24	-1.09890989E-09	3.90646457E-09	-1.08293198E-08
25	-7.38456771E-10	2.59404223E-09	-7.10295213E-09
26	-5.01811573E-10	1.74276463E-09	-4.71254618E-09
27	-3.44537824E-10	1.18371382E-09	-3.16122402E-09
28	-2.38825371E-10	8.12254042E-10	-2.14300331E-09
29	-1.67021639E-10	5.62707419E-10	-1.46734584E-09

L R	2 3	2 4	2 5
EIGENVALUE	-3.74912569E+00	-4.24127853E+00	-4.74188579E+00
COEFFICIENT			
K			
0	-9.57440933E-02	6.43628878E-02	-4.49219395E-02
1	-8.42792884E-02	6.07503216E-02	-4.43192217E-02
2	-7.46837662E-02	5.92378026E-02	-4.54884350E-02
3	-5.32359865E-02	5.43051653E-02	-4.54499558E-02
4	5.14498590E-02	3.82929713E-02	-4.16078338E-02
5	1.84853613E-03	-4.55535644E-02	-2.79842234E-02
6	2.20663671E-04	-1.72101761E-03	4.12504322E-02
7	-1.61250286E-05	-2.24996137E-04	1.41230781E-03
8	-4.43872816E-05	1.23633874E-05	1.67303393E-04
9	-3.59116003E-05	4.60269832E-05	-3.11580506E-05
10	-2.41430574E-05	3.96199214E-05	-5.61595168E-05
11	-1.51975844E-05	2.79072222E-05	-4.66403693E-05
12	-9.29507853E-06	1.82792563E-05	-3.30425977E-05
13	-5.61096758E-06	1.15778746E-05	-2.19904812E-05
14	-3.36968288E-06	7.20949681E-06	-1.41934754E-05
15	-2.02259946E-06	4.45074957E-06	-9.00976254E-06
16	-1.21698681E-06	2.73731454E-06	-5.66595741E-06
17	-7.35552667E-07	1.68242461E-06	-3.54515771E-06
18	-4.47260474E-07	1.03565412E-06	-2.21318696E-06
19	-2.73932836E-07	6.39549076E-07	-1.38129320E-06
20	-1.69151533E-07	3.96712737E-07	-8.63173677E-07
21	-1.05386093E-07	2.47447777E-07	-5.40738041E-07
22	-6.62858933E-08	1.55339863E-07	-3.39937978E-07
23	-4.21093520E-08	9.82199507E-08	-2.14646611E-07
24	-2.70261063E-08	6.25900477E-08	-1.36238836E-07
25	-1.75269476E-08	4.02179931E-08	-8.69824754E-08
26	-1.14858829E-08	2.60685639E-08	-5.58961250E-08
27	-7.60549555E-09	1.70498348E-08	-3.61726785E-08
28	-5.08772848E-09	1.12540482E-08	-2.35843171E-08
29	-3.43753690E-09	7.49754201E-09	-1.54977439E-08

LR	EIGENVALUE	2 6	2 7	2 8
		-5.24738827E+00	-5.75584589E+00	-6.26614174E+00
	COEFFICIENT			
K				
0				
1		-3.23951584E-02	2.40079264E-02	1.82008533E-02
2		-3.29602823E-02	2.49885169E-02	1.92783517E-02
3		-3.49628298E-02	2.71329707E-02	2.13035726E-02
4		-3.65681500E-02	2.92261612E-02	2.34334728E-02
5		-3.65023430E-02	3.05224014E-02	2.51880115E-02
6		-3.28191409E-02	3.01025013E-02	2.60441942E-02
7		-2.04767801E-02	2.63188574E-02	2.52278069E-02
8		3.78919772E-02	1.48087792E-02	2.12914491E-02
9		1.01730908E-03	-3.51366484E-02	1.04188743E-02
10		7.48328549E-05	-5.81682518E-04	-3.27907634E-02
11		-6.41186459E-05	3.65376826E-05	-1.29460468E-04
12		-7.21034587E-05	1.05568456E-04	1.57108976E-04
13		-5.60748763E-05	9.17562164E-05	1.51640740E-04
14		-3.92141415E-05	6.71040640E-05	1.13534848E-04
15		-2.61790417E-05	4.60721961E-05	7.90509940E-05
16		-1.70557150E-05	3.06739253E-05	5.33051227E-05
17		-1.09556427E-05	2.00676971E-05	3.53157158E-05
18		-6.97691962E-06	1.29859179E-05	2.31379080E-05
19		-4.41987520E-06	8.34275766E-06	1.50429231E-05
20		-2.79161504E-06	5.33370464E-06	9.72505086E-06
21		-1.76080637E-06	3.39889497E-06	6.26042738E-06
22		-1.11053541E-06	2.16155397E-06	4.01704890E-06
23		-7.01091883E-07	1.37321500E-06	2.57125693E-06
24		-4.43437970E-07	8.72195381E-07	1.64287732E-06
25		-2.81226550E-07	5.54252427E-07	1.04841801E-06
26		-1.78962966E-07	3.52619785E-07	6.68584217E-07
27		-1.14352470E-07	2.24738224E-07	4.26259581E-07
28		-7.34130100E-08	1.43571655E-07	2.71818189E-07
29		-4.73798674E-08	9.19855507E-08	1.73439403E-07
		-3.07563468E-08	5.91365910E-08	1.10777314E-07

LR	EIGENVALUE	2 9	2 10	2 11
		-6.77760057E+00	-7.28979729E+00	-7.80245532E+00
	COEFFICIENT			
K				
0				
1		1.40637964E-02	-1.10441510E-02	8.79396670E-03
2		1.51041445E-02	-1.19951266E-02	9.64029436E-03
3		1.69215659E-02	-1.35875596E-02	1.10194776E-02
4		1.89117027E-02	-1.53772530E-02	1.25983893E-02
5		2.07478209E-02	-1.71338552E-02	1.42106947E-02
6		2.0995745E-02	-1.86353597E-02	1.57013653E-02
7		2.25289812E-02	-1.96060494E-02	1.68851997E-02
8		2.13517079E-02	-1.96574090E-02	1.75166939E-02
9		1.72788000E-02	-1.81740566E-02	1.72440279E-02
10		6.95520277E-03	-1.40019130E-02	1.55101877E-02
11		-3.07373960E-02	-4.18514927E-03	1.12799823E-02
12		3.25771222E-04	2.89021824E-02	1.94833561E-03
13		2.80707017E-04	-7.75912069E-04	-2.72357264E-02
14		1.99659629E-04	-4.03281298E-04	1.21594950E-03
15		1.36259091E-04	-2.47750205E-04	5.22122871E-04
16		9.13762833E-05	-1.59052376E-04	2.94590530E-04
17		6.06511291E-05	-1.03658504E-04	1.81266954E-04
18		3.99659920E-05	-6.78973320E-05	1.15573459E-04
19		2.61857708E-05	-4.45092294E-05	7.48747322E-05
20		1.70756913E-05	-2.91431614E-05	4.88517779E-05
21		1.10897318E-05	-1.90408833E-05	3.19542171E-05
22		7.17662678E-06	-1.24076849E-05	2.09027354E-05
23		4.62983197E-06	-8.06213351E-06	1.36547429E-05
24		2.97865457E-06	-5.22309708E-06	8.90007146E-06
25		1.91175290E-06	-3.37380857E-06	5.78488106E-06
26		1.22442479E-06	-2.17288501E-06	3.74820978E-06
27		7.82780350E-07	-1.39536967E-06	2.42023801E-06
28		4.99643942E-07	-8.93477936E-07	1.55699295E-06
29		3.18482644E-07	-5.70442638E-07	9.97685049E-07
		2.02764346E-07	-3.63114400E-07	6.36560594E-07

L R	2 12	2 13	2 14
EIGENVALUE	-8.31538993E+00	-8.82847512E+00	-9.34162361E+00
COEFFICIENT			
K			
0	7.08697026E-03	5.77178989E-03	4.74461517E-03
1	7.82984146E-03	6.41927135E-03	5.30711841E-03
2	9.01795866E-03	7.44084100E-03	6.18554770E-03
3	1.03972194E-02	8.63981003E-03	7.22567390E-03
4	1.18453957E-02	9.92512969E-03	8.35891157E-03
5	1.32515315E-02	1.12160748E-02	9.52586502E-03
6	1.44860701E-02	1.24196299E-02	1.06586197E-02
7	1.53832561E-02	1.34190636E-02	1.16726927E-02
8	1.57193172E-02	1.40622090E-02	1.24600418E-02
9	1.51731527E-02	1.41432788E-02	1.28796336E-02
10	1.32394994E-02	1.33684261E-02	1.27416336E-02
11	8.98990729E-03	1.12793505E-02	1.17770797E-02
12	1.30331472E-04	7.04444002E-03	9.57082263E-03
13	-2.57039907E-02	-1.35287939E-03	-5.37964772E-03
14	1.64271149E-03	-2.42827737E-02	-2.56449812E-03
15	6.35404439E-04	2.05417581E-03	-2.29543929E-02
16	3.39249524E-04	7.41897059E-04	2.44906684E-03
17	2.02428441E-04	3.81077877E-04	8.40788630E-04
18	1.26875803E-04	2.22194692E-04	4.19632704E-04
19	8.14521710E-05	1.37383675E-04	2.40325076E-04
20	5.29197182E-05	8.75304317E-05	1.46966131E-04
21	3.45744071E-05	5.66563822E-05	9.30369169E-05
22	2.26325590E-05	3.69693167E-05	6.00198991E-05
23	1.48113958E-05	2.42080489E-05	3.91133661E-05
24	9.67670200E-06	1.58623701E-05	2.56125345E-05
25	6.30534104E-06	1.03811705E-05	1.67961608E-05
26	4.09477198E-06	6.77661219E-06	1.10052123E-05
27	2.64872172E-06	4.40776190E-06	7.19262789E-06
28	1.70565776E-06	2.85416507E-06	4.68269511E-06
29	1.09281825E-06	1.83834760E-06	3.03326052E-06

L R	2 15	2 16	2 17
EIGENVALUE	-9.85477422E+00	-1.03678838E+01	-1.08809218E+01
COEFFICIENT			
K			
0	3.93268023E-03	3.28398448E-03	2.76072235E-03
1	4.42085309E-03	3.70778171E-03	3.12905251E-03
2	5.17712950E-03	4.36014101E-03	3.69307652E-03
3	6.07917070E-03	5.14300735E-03	4.37346118E-03
4	7.07481761E-03	6.01638153E-03	5.13930389E-03
5	8.12002279E-03	6.94741844E-03	5.96602351E-03
6	9.16465391E-03	7.89885527E-03	6.82581247E-03
7	1.01464674E-02	8.82429951E-03	7.68384000E-03
8	1.09865409E-02	9.66500516E-03	8.49583202E-03
9	1.15838868E-02	1.03465167E-02	9.20580646E-03
10	1.18073617E-02	1.07741392E-02	9.74332151E-03
11	1.14817734E-02	1.08258690E-02	1.00195562E-02
12	1.03612246E-02	1.03401909E-02	9.92112030E-03
13	8.07049000E-03	9.09275693E-03	9.29939002E-03
14	3.94734843E-03	6.74542639E-03	7.95023996E-03
15	-3.55306892E-03	2.71035092E-03	5.57005054E-03
16	-2.17056159E-02	-4.35655804E-03	-1.63934968E-03
17	2.82660942E-03	-2.05263268E-02	-5.00513141E-03
18	9.31563660E-04	3.18637292E-03	-1.94086414E-02
19	4.54624337E-04	1.01392135E-03	3.52816907E-03
20	2.56657309E-04	4.85877986E-04	1.08771841E-03
21	1.55532983E-04	2.71089820E-04	5.13305677E-04
22	9.79210218E-05	1.63026616E-04	2.83568220E-04
23	6.29809231E-05	1.02150195E-04	1.69415400E-04
24	4.09885758E-05	6.55206068E-05	1.05706620E-04
25	2.68342410E-05	4.25834285E-05	6.76288293E-05
26	1.76045637E-05	2.78655964E-05	4.38918494E-05
27	1.15428498E-05	1.82822295E-05	2.87026007E-05
28	7.54892662E-06	1.19901000E-05	1.88262528E-05
29	4.91621632E-06	7.84245963E-06	1.23446998E-05



L R	2 18	2 19	2 20
EIGENVALUE	-1.13938666E+01	-1.19067032E+01	-1.24194212E+01
Coefficient			
1	2.33498261E-03	1.98587197E-03	-1.69755405E-03
2	2.65563236E-03	2.26555813E-03	-1.94202810E-03
3	3.14451685E-03	2.69042877E-03	-2.31224914E-03
4	3.73689978E-03	3.20724574E-03	-2.76412170E-03
5	4.40874711E-03	3.79720487E-03	-3.28285439E-03
6	5.14162483E-03	4.44647516E-03	-3.85808173E-03
7	5.91474747E-03	5.13952760E-03	-4.47823255E-03
8	6.70185598E-03	5.85653224E-03	-5.12833936E-03
9	7.46931505E-03	6.57181295E-03	-5.78875575E-03
10	8.17447407E-03	7.25259149E-03	-6.43415160E-03
11	8.76386129E-03	7.85771412E-03	-7.03255716E-03
12	9.17083656E-03	8.33613802E-03	-7.54431498E-03
13	9.31218051E-03	8.62490802E-03	-7.92079141E-03
14	9.08270037E-03	8.64619996E-03	-8.10263684E-03
15	8.34598146E-03	8.30266032E-03	-8.01724606E-03
16	6.91691907E-03	7.46946437E-03	-7.57477818E-03
17	4.52406233E-03	5.97941615E-03	-6.66142133E-03
18	7.10835939E-04	3.59105147E-03	-5.12684544E-03
19	-5.52309258E-03	-9.43462313E-05	-2.75753429E-03
20	-1.83463055E-02	-5.93026399E-03	7.92021960E-04
21	3.85198310E-03	-1.73342765E-02	6.24299058E-03
22	1.15292832E-03	4.15792627E-03	1.63684266E-02
23	5.36885380E-04	1.20961177E-03	-4.44620230E-03
24	2.94074826E-04	5.56645304E-04	-1.25789484E-03
25	1.74688385E-04	3.02620501E-04	-5.72651940E-04
26	1.08584446E-04	1.78851022E-04	-3.09238239E-04
27	6.93026682E-05	1.10787475E-04	-1.81921699E-04
28	4.49123061E-05	7.05450937E-05	-1.12327246E-04
29	2.93442614E-05	4.56470257E-05	-7.13638580E-05
	1.92358013E-05	2.97920953E-05	-4.61013166E-05

L R	2 21	2 22	2 23
EIGENVALUE	-1.29320137E+01	-1.34444764E+01	-1.39568069E+01
Coefficient			
1	1.45788849E-03	-1.25747173E-03	1.08895081E-03
2	1.67205653E-03	-1.44551185E-03	1.25442038E-03
3	1.99550953E-03	-1.72883756E-03	1.50322389E-03
4	2.39148489E-03	-2.07661447E-03	1.80935496E-03
5	2.84829188E-03	-2.47956338E-03	2.16542118E-03
6	3.35818578E-03	-2.93192864E-03	2.56718076E-03
7	3.91258843E-03	-3.42740254E-03	3.01005195E-03
8	4.50023217E-03	-3.95754484E-03	3.48776170E-03
9	5.10607999E-03	-4.51086524E-03	3.99156157E-03
10	5.71049705E-03	-5.07212643E-03	4.50963387E-03
11	6.28849593E-03	-5.62172565E-03	5.02657171E-03
12	6.80896207E-03	-6.13508960E-03	5.52288575E-03
13	7.23377366E-03	-6.58203211E-03	5.97450685E-03
14	7.51670537E-03	-6.92601400E-03	6.35225161E-03
15	7.60194620E-03	-7.12321890E-03	6.62120562E-03
16	7.42194684E-03	-7.12130924E-03	6.73995683E-03
17	6.9407086E-03	-6.85763364E-03	6.65957299E-03
18	5.91497201E-03	-6.25646319E-03	6.32214373E-03
19	4.35019951E-03	-5.22439301E-03	5.65855831E-03
20	2.01227129E-03	-3.64191311E-03	4.58484779E-03
21	-1.39542435E-03	-1.34577342E-03	2.99554728E-03
22	-6.47488152E-03	1.91573870E-03	7.49938237E-04
23	-1.54453278E-02	6.63736694E-03	-2.36251025E-03
24	4.71708329E-03	1.45620954E-02	-6.74012183E-03
25	1.29795272E-03	-4.97089207E-03	-1.37162705E-02
26	5.85000865E-04	-1.32999739E-03	5.20798907E-03
27	3.13978104E-04	-5.93809610E-04	1.35426819E-03
28	1.83928943E-04	-3.16903210E-04	5.99212090E-04
29	1.13221439E-04	-1.84909133E-04	3.18086516E-04
	7.17705550E-05	-1.13492558E-04	1.84904652E-04

L R	2 24	2 25	2 26
EIGENVALUE	-1.44690042E+01	-1.49810682E+01	-1.54929999E+01
COEFFICIENT			
K			
0	9.46526021E-04	-8.25586030E-04	7.22437090E-04
1	1.09245606E-03	-9.54562502E-04	8.36670069E-04
2	1.31147874E-03	-1.14782501E-03	1.00759086E-03
3	1.58154649E-03	-1.38659257E-03	1.21912972E-03
4	1.89675130E-03	-1.66613096E-03	1.46748490E-03
5	2.25400584E-03	-1.98423421E-03	1.75112339E-03
6	2.65004182E-03	-2.33863362E-03	2.06853640E-03
7	3.08025055E-03	-2.72599988E-03	2.41737798E-03
8	3.53801022E-03	-3.14136420E-03	2.79396588E-03
9	4.01417593E-03	-3.57767848E-03	3.19290103E-03
10	4.49663531E-03	-4.02543150E-03	3.60673421E-03
11	4.96989386E-03	-4.47229325E-03	4.02565707E-03
12	5.41467120E-03	-4.90277539E-03	4.43720965E-03
13	5.80749039E-03	-5.29789899E-03	4.82600070E-03
14	6.12023714E-03	-5.63485813E-03	5.17343611E-03
15	6.31965465E-03	-5.88666288E-03	5.45744841E-03
16	6.36672286E-03	-6.02173658E-03	5.65221588E-03
17	6.21584181E-03	-6.00343052E-03	5.72785447E-03
18	5.81368467E-03	-5.78939879E-03	5.65005822E-03
19	5.09747504E-03	-5.33073925E-03	5.37965186E-03
20	3.99219100E-03	-4.57073065E-03	4.87199774E-03
21	2.40555616E-03	-3.44282431E-03	4.07615491E-03
22	1.17777111E-04	-1.86711232E-03	2.93358850E-03
23	-7.74395436E-03	2.56792307E-04	1.37597365E-03
24	-6.79139277E-03	3.06719588E-03	-6.79106310E-04
25	-1.29057317E-02	6.79825296E-03	-3.33845609E-03
26	5.42876249E-03	1.21286282E-02	-6.76680324E-03
27	1.37102451E-03	-5.63362071E-03	-1.13833274E-02
28	6.01354210E-04	-1.38054016E-03	5.82298663E-03
29	3.17608251E-04	-6.00390402E-04	1.38309890E-03

L R	2 27	2 28	2 29
EIGENVALUE	-1.60048006E+01	-1.65164722E+01	-1.70280169E+01
COEFFICIENT			
K			
0	-6.34100085E-04	5.58156848E-04	-4.92632820E-04
1	-7.35482157E-04	6.48312201E-04	-5.72958439E-04
2	-8.86975549E-04	7.82869525E-04	-6.92715231E-04
3	-1.07477315E-03	9.49919570E-04	-8.41593453E-04
4	-1.29581710E-03	1.14700023E-03	-1.01760975E-03
5	-1.54908772E-03	1.37348250E-03	-1.22043128E-03
6	-1.83365254E-03	1.62886921E-03	-1.44988766E-03
7	-2.14792062E-03	1.91214777E-03	-1.70540767E-03
8	-2.48921132E-03	2.22141690E-03	-1.98569557E-03
9	-2.85342458E-03	2.55360064E-03	-2.28848279E-03
10	-3.23475047E-03	2.90419482E-03	-2.61030643E-03
11	-3.62539876E-03	3.26702947E-03	-2.94630025E-03
12	-4.01534324E-03	3.63404326E-03	-3.28999467E-03
13	-4.39207959E-03	3.99507024E-03	-3.63312700E-03
14	-4.74039635E-03	4.33764047E-03	-3.96546430E-03
15	-5.04215685E-03	4.64679534E-03	-4.27464143E-03
16	-5.27608807E-03	4.90491747E-03	-4.54601599E-03
17	-5.41756960E-03	5.09157363E-03	-4.76254173E-03
18	-5.43841315E-03	5.18336805E-03	-4.90466093E-03
19	-5.30661966E-03	5.15380304E-03	-4.95021712E-03
20	-4.98609647E-03	4.97314415E-03	-4.87439068E-03
21	-4.43630908E-03	4.60828924E-03	-4.64966386E-03
22	-3.61182632E-03	4.02264495E-03	-4.24582955E-03
23	-2.46168154E-03	3.17602382E-03	-3.63007333E-03
24	-9.28380846E-04	2.02459557E-03	-2.76719015E-03
25	1.05388037E-03	5.20977177E-04	-1.62006786E-03
26	3.56320061E-03	-1.38530820E-03	-1.50745173E-04
27	6.70233240E-03	-3.74625750E-03	1.67714096E-03
28	1.06683751E-02	-6.60944575E-03	3.89191262E-03
29	-5.99729290E-03	-9.98246316E-03	6.49216972E-03

L R	2 30	2 31	2 32
EIGENVALUE	-1.75394368E+01	-1.80507347E+01	-1.85619130E+01
COEFFICIENT			
K			
0	-4.35906658E-04	-3.86640089E-04	-3.43723063E-04
1	-5.07606863E-04	-4.50755500E-04	-4.01154914E-04
2	-6.14398607E-04	-5.46163952E-04	-4.86546689E-04
3	-7.47326229E-04	-6.65060911E-04	-5.93076316E-04
4	-9.04792280E-04	-8.06160846E-04	-7.19710968E-04
5	-1.08668711E-03	-9.69520858E-04	-8.66630809E-04
6	-1.29308353E-03	-1.15539246E-03	-1.03421635E-03
7	-1.52374526E-03	-1.36379162E-03	-1.22267139E-03
8	-1.77784584E-03	-1.59425407E-03	-1.43130969E-03
9	-2.05375272E-03	-1.84564755E-03	-1.66089151E-03
10	-2.34883385E-03	-2.11600276E-03	-1.90847579E-03
11	-2.65927350E-03	-2.40235121E-03	-2.17227750E-03
12	-2.97989471E-03	-2.70056742E-03	-2.44902737E-03
13	-3.30398945E-03	-3.00521658E-03	-2.73433528E-03
14	-3.62315940E-03	-3.30941059E-03	-3.02255972E-03
15	-3.92717053E-03	-3.60467576E-03	-3.30668668E-03
16	-4.20382446E-03	-3.88083570E-03	-3.57822148E-03
17	-4.43884934E-03	-4.12591284E-03	-3.82709733E-03
18	-4.61581276E-03	-4.32605190E-03	-4.04160417E-03
19	-4.71605972E-03	-4.46546897E-03	-4.20834184E-03
20	-4.71868002E-03	-4.52643136E-03	-4.31220244E-03
21	-4.60051317E-03	-4.48927546E-03	-4.33638855E-03
22	-4.33620539E-03	-4.33247539E-03	-4.26247757E-03
23	-3.89834640E-03	-4.03278450E-03	-4.07054896E-03
24	-3.25773874E-03	-3.56548902E-03	-3.73940289E-03
25	-2.38390360E-03	-2.90484725E-03	-3.24692025E-03
26	-1.24604220E-03	-2.02485584E-03	-2.57065517E-03
27	1.85043990E-04	-9.00638162E-04	-1.68883463E-03
28	1.93275129E-03	4.88871330E-04	-5.82126432E-04
29	4.00398739E-03	2.15518551E-03	7.63003342E-04

L R	2 33	2 34	2 35
EIGENVALUE	-1.90729744E+01	-1.95839216E+01	-2.00947571E+01
COEFFICIENT			
K			
0	3.06230574E-04	2.73388465E-04	-2.44546156E-04
1	3.57761154E-04	3.19698326E-04	-2.86228641E-04
2	4.34319955E-04	3.88451923E-04	-3.48071518E-04
3	5.29926534E-04	4.74392331E-04	-4.25441922E-04
4	6.43753210E-04	5.76858675E-04	-5.17814776E-04
5	7.76069384E-04	6.96183429E-04	-6.25565421E-04
6	9.27346254E-04	8.32899010E-04	-7.49264897E-04
7	1.09792535E-03	9.87445739E-04	-8.89422068E-04
8	1.28783224E-03	1.16000878E-03	-1.04634064E-03
9	1.49663394E-03	1.35039375E-03	-1.22001052E-03
10	1.72330982E-03	1.55791380E-03	-1.4100692E-03
11	1.96612598E-03	1.78127907E-03	-1.61540324E-03
12	2.22251078E-03	2.01848634E-03	-1.83465328E-03
13	2.48893233E-03	2.26670935E-03	-2.06551295E-03
14	2.76078017E-03	2.52219153E-03	-2.30493364E-03
15	3.03225405E-03	2.78014407E-03	-2.54897053E-03
16	3.29626352E-03	3.03465236E-03	-2.79269576E-03
17	3.54434161E-03	3.27859426E-03	-3.03012092E-03
18	3.76657670E-03	3.50357386E-03	-3.25413250E-03
19	3.95156627E-03	3.69987442E-03	-3.45644389E-03
20	4.08639726E-03	3.85643505E-03	-3.62756779E-03
21	4.15665890E-03	3.96085586E-03	-3.75681359E-03
22	4.14649618E-03	3.99943869E-03	-3.83231540E-03
23	4.03871687E-03	3.95727301E-03	-3.84109826E-03
24	3.81497231E-03	3.81838186E-03	-3.76919366E-03
25	3.45604643E-03	3.56595155E-03	-3.60182101E-03
26	2.94231190E-03	3.18268439E-03	-3.32366171E-03
27	2.254446037E-03	2.65134143E-03	-2.91926932E-03
28	1.37471003E-03	1.95559559E-03	-2.37368971E-03
29	2.88908789E-04	1.08142334E-03	-1.67342328E-03

L R	2 36	2 37	2 38
EIGENVALUE	-2.06054838E+01	-2.11161041E+01	-2.16266207E+01
COEFFICIENT			
K			
0	-2.19154797E-04	1.96749654E-04	-1.76935844E-04
1	-2.56728312E-04	2.30668076E-04	-2.07597353E-04
2	-3.12440739E-04	2.80932193E-04	-2.53010792E-04
3	-3.82199171E-04	3.43917694E-04	-3.09959665E-04
4	-4.65589195E-04	4.19300383E-04	-3.78193333E-04
5	-5.63013447E-04	5.07498256E-04	-4.58136052E-04
6	-6.75064344E-04	6.09112021E-04	-5.50386981E-04
7	-8.02295873E-04	7.24722724E-04	-6.55540365E-04
8	-9.45097998E-04	8.54781223E-04	-7.74088092E-04
9	-1.10360160E-03	9.99524916E-04	-9.06346648E-04
10	-1.27759193E-03	1.15890192E-03	-1.05239064E-03
11	-1.46642315E-03	1.33249591E-03	-1.21198670E-03
12	-1.66893178E-03	1.51944951E-03	-1.38452566E-03
13	-1.88334897E-03	1.71838608E-03	-1.56895295E-03
14	-2.10721310E-03	1.92733094E-03	-1.76369767E-03
15	-2.33728441E-03	2.14363358E-03	-1.96660194E-03
16	-2.56946432E-03	2.36389311E-03	-2.17485223E-03
17	-2.79872223E-03	2.58388934E-03	-2.38491475E-03
18	-3.01903284E-03	2.79852229E-03	-2.59247755E-03
19	-3.22332737E-03	3.00176320E-03	-2.79240181E-03
20	-3.40346224E-03	3.18662018E-03	-2.97868542E-03
21	-3.55020925E-03	3.34512224E-03	-3.14444199E-03
22	-3.65327202E-03	3.46832569E-03	-3.28189883E-03
23	-3.70133480E-03	3.54634797E-03	-3.38241827E-03
24	-3.68215205E-03	3.56843550E-03	-3.43654737E-03
25	-3.58269091E-03	3.52307453E-03	-3.43410306E-03
26	-3.38934497E-03	3.39815805E-03	-3.36430231E-03
27	-3.08824836E-03	3.18122880E-03	-3.21595125E-03
28	-2.66573740E-03	2.85982927E-03	-2.97771429E-03
29	-2.10903956E-03	2.42200911E-03	-2.63849623E-03

L R	2 39	2 40	2 41
EIGENVALUE	-2.21370359E+01	-2.26473524E+01	-2.31575725E+01
COEFFICIENT			
K			
0	1.59376721E-04	-1.43784385E-04	1.29911881E-04
1	1.87131322E-04	-1.68940322E-04	1.52741124E-04
2	2.28218757E-04	-2.06163301E-04	1.86506447E-04
3	2.79778413E-04	-2.52904067E-04	2.28931673E-04
4	3.41619594E-04	-3.09020733E-04	2.79914595E-04
5	4.14165940E-04	-3.74931182E-04	3.39863560E-04
6	4.98007753E-04	-4.51211526E-04	4.09336690E-04
7	5.93741922E-04	-5.38453338E-04	4.88914323E-04
8	7.01885857E-04	-6.37187505E-04	5.79131533E-04
9	8.22813337E-04	-7.47827815E-04	6.80428448E-04
10	9.56696175E-04	-8.70619715E-04	7.93105205E-04
11	1.10344605E-03	-1.00558911E-03	9.17276867E-04
12	1.26265455E-03	-1.15248937E-03	1.05282654E-03
13	1.43353118E-03	-1.31074611E-03	1.19935632E-03
14	1.61483969E-03	-1.47940018E-03	1.35613618E-03
15	1.80483404E-03	-1.65704970E-03	1.52205163E-03
16	2.00119530E-03	-1.84179230E-03	1.69555106E-03
17	2.20097149E-03	-2.03116928E-03	1.87459410E-03
18	2.40052241E-03	-2.22211351E-03	2.05660263E-03
19	2.59547189E-03	-2.41090301E-03	2.23841619E-03
20	2.78067009E-03	-2.59312277E-03	2.41625393E-03
21	2.95016865E-03	-2.76363715E-03	2.58568524E-03
22	3.09721190E-03	-2.91657578E-03	2.74161152E-03
23	3.21424778E-03	-3.04533598E-03	2.87826201E-03
24	3.29296263E-03	-3.14260542E-03	2.98920647E-03
25	3.32434545E-03	-3.20040933E-03	3.06738861E-03
26	3.29878878E-03	-3.21018793E-03	3.10518455E-03
27	3.20623629E-03	-3.16291149E-03	3.09449221E-03
28	3.03639185E-03	-3.04924374E-03	3.02685920E-03
29	2.77901210E-03	-2.85976871E-03	2.89366034E-03

L R	2 42	2 43	2 44
EIGENVALUE	-2.36676985E+01	-2.41777327E+01	-2.46876774E+01
COEFFICIENT			
K			
0	-1.17546776E-04	1.06505831E-04	-9.66305905E-05
1	-1.38289719E-04	1.25375332E-04	-1.13815445E-04
2	-1.68956607E-04	1.53261567E-04	-1.39202649E-04
3	-2.07511325E-04	1.88339934E-04	-1.71154357E-04
4	-2.53883855E-04	2.30566450E-04	-2.09647555E-04
5	-3.08470294E-04	2.80323073E-04	-2.55048832E-04
6	-3.71808166E-04	3.38125049E-04	-3.07850172E-04
7	-4.44622599E-04	4.04518549E-04	-3.68577058E-04
8	-5.26964723E-04	4.80027433E-04	-4.37741059E-04
9	-6.19771265E-04	5.65114559E-04	-5.15805634E-04
10	-7.23221517E-04	6.60146887E-04	-6.03155370E-04
11	-8.37499307E-04	7.65360454E-04	-7.00065082E-04
12	-9.62591208E-04	8.80823706E-04	-8.06667378E-04
13	-1.09824291E-03	1.00639872E-03	-9.22918190E-04
14	-1.24391351E-03	1.14170037E-03	-1.04856029E-03
15	-1.39872834E-03	1.28605378E-03	-1.18308502E-03
16	-1.56143097E-03	1.43845081E-03	-1.32569286E-03
17	-1.73033572E-03	1.59750643E-03	-1.47525348E-03
18	-1.90328186E-03	1.76141610E-03	-1.63026628E-03
19	-2.07759108E-03	1.92791557E-03	-1.78882252E-03
20	-2.25003011E-03	2.09424455E-03	-1.94857049E-03
21	-2.41678038E-03	2.25711604E-03	-2.10668498E-03
22	-2.57341687E-03	2.41269323E-03	-2.25984303E-03
23	-2.71489869E-03	2.55657610E-03	-2.40420755E-03
24	-2.83557384E-03	2.68379991E-03	-2.53542102E-03
25	-2.92920146E-03	2.78884843E-03	-2.64861147E-03
26	-2.98899498E-03	2.86568474E-03	-2.73841331E-03
27	-3.00769087E-03	2.90780335E-03	-2.79900602E-03
28	-2.97764875E-03	2.90830818E-03	-2.82417438E-03
29	-2.89099090E-03	2.86002240E-03	-2.80739482E-03

L R	2 45	2 46	2 47
EIGENVALUE	-2.51975346E+01	-2.57073067E+01	-2.62169957E+01
COEFFICIENT			
K			
0	-8.77836985E-05	7.98458430E-05	-7.27132220E-05
1	-1.03451644E-04	9.41461540E-05	-8.57789765E-05
2	-1.26589825E-04	1.15257640E-04	-1.05061830E-04
3	-1.55725632E-04	1.41854168E-04	-1.29365743E-04
4	-1.90852860E-04	1.73942917E-04	-1.58708456E-04
5	-2.32321982E-04	2.11857893E-04	-1.93407451E-04
6	-2.80601298E-04	2.56043691E-04	-2.33883913E-04
7	-3.36194284E-04	3.06981060E-04	-2.80595597E-04
8	-3.99597318E-04	3.65149148E-04	-3.34003069E-04
9	-4.71269412E-04	4.30998685E-04	-3.94545909E-04
10	-5.51605074E-04	5.04928017E-04	-4.62621535E-04
11	-6.40907033E-04	5.87259016E-04	-5.38563908E-04
12	-7.39357529E-04	6.78211660E-04	-6.22621026E-04
13	-8.46987689E-04	7.77876820E-04	-7.14930728E-04
14	-9.63644927E-04	8.86187150E-04	-8.15494706E-04
15	-1.08895858E-03	1.00288623E-03	-9.24150819E-04
16	-1.22230419E-03	1.12749627E-03	-1.04054393E-03
17	-1.36276703E-03	1.25928490E-03	-1.16409569E-03
18	-1.50910571E-03	1.39723167E-03	-1.29397381E-03
19	-1.65971673E-03	1.53999502E-03	-1.42906141E-03
20	-1.81260127E-03	1.68588086E-03	-1.56792746E-03
21	-1.96533532E-03	1.83281365E-03	-1.70879901E-03
22	-2.11504478E-03	1.97831145E-03	-1.84953661E-03
23	-2.25838717E-03	2.11946626E-03	-1.98761386E-03
24	-2.39154155E-03	2.25293124E-03	-2.12010277E-03
25	-2.51020879E-03	2.37491660E-03	-2.24366615E-03
26	-2.60962445E-03	2.48119595E-03	-2.35455901E-03
27	-2.68458656E-03	2.56712542E-03	-2.44864050E-03
28	-2.72950151E-03	2.62767788E-03	-2.52139884E-03
29	-2.73845163E-03	2.65749539E-03	-2.56799135E-03

RL	2	2	2
	48	49	50
EIGENVALUE	-2.67266040E+01	-2.72361341E+01	-2.77455893E+01
COEFFICIENT			
K			
0	6.62955057E-05	-6.05143588E-05	5.53028995E-05
1	7.82455763E-05	-7.14552199E-05	6.53304016E-05
2	9.58766030E-05	-8.75926832E-05	8.01166853E-05
3	1.18108284E-04	-1.07949573E-04	9.87765654E-05
4	1.44966606E-04	-1.32558219E-04	1.21347156E-04
5	1.76752690E-04	-1.61703719E-04	1.48096003E-04
6	2.13864839E-04	-1.95762191E-04	1.79383875E-04
7	2.56737902E-04	-2.35145936E-04	2.15595093E-04
8	3.05813043E-04	-2.80276323E-04	2.57133190E-04
9	3.61516606E-04	-3.31565004E-04	3.04394178E-04
10	4.24241384E-04	-3.89397325E-04	3.57753859E-04
11	4.94327792E-04	-4.54115671E-04	4.17553075E-04
12	5.72043916E-04	-5.26001783E-04	4.84082020E-04
13	6.57564010E-04	-6.05257629E-04	5.57563237E-04
14	7.50945298E-04	-6.91984703E-04	6.38133123E-04
15	8.52103128E-04	-7.86161741E-04	7.25821954E-04
16	9.60784677E-04	-8.87621011E-04	8.20532520E-04
17	1.07654150E-03	-9.96023416E-04	9.22017550E-04
18	1.19870138E-03	-1.11083277E-03	1.02985629E-03
19	1.32634004E-03	-1.23128971E-03	1.14343039E-03
20	1.45825338E-03	-1.35638582E-03	1.26190002E-03
21	1.59293114E-03	-1.48483870E-03	1.38418028E-03
22	1.72853284E-03	-1.61506877E-03	1.50891904E-03
23	1.86286715E-03	-1.74517870E-03	1.63447678E-03
24	1.99337589E-03	-1.87293668E-03	1.75890944E-03
25	2.11712395E-03	-1.99576448E-03	1.87995524E-03
26	2.23079662E-03	-2.11073175E-03	1.99502673E-03
27	2.33070604E-03	-2.21455795E-03	2.10120913E-03
28	2.41280835E-03	-2.30362340E-03	2.19526647E-03
29	2.47273386E-03	-2.37399129E-03	2.27365702E-03

RL	2	2	2
	51	52	53
EIGENVALUE	-2.82549761E+01	-2.87643120E+01	-2.92736739E+01
COEFFICIENT			
K			
0	-5.06075826E-05	-4.63991189E-05	4.27317363E-05
1	-5.98091278E-05	-5.48578824E-05	5.05417963E-05
2	-7.33739782E-05	-6.73246597E-05	6.20497871E-05
3	-9.04990019E-05	-8.30691962E-05	7.65885776E-05
4	-1.11224828E-04	-1.02134631E-04	9.42031256E-05
5	-1.35806051E-04	-1.24761396E-04	1.15121087E-04
6	-1.64577053E-04	-1.51264670E-04	1.39640373E-04
7	-1.97906949E-04	-1.81993425E-04	1.68091754E-04
8	-2.36177694E-04	-2.17310695E-04	2.00820989E-04
9	-2.79769174E-04	-2.57580263E-04	2.38176890E-04
10	-3.29046175E-04	-3.03155082E-04	2.80500990E-04
11	-3.84345308E-04	-3.54365678E-04	3.28117210E-04
12	-4.45961098E-04	-4.11507785E-04	3.81320834E-04
13	-5.14130836E-04	-4.74828853E-04	4.40366439E-04
14	-5.89018075E-04	-5.44513286E-04	5.05454654E-04
15	-6.70694710E-04	-6.20666368E-04	5.76717680E-04
16	-7.59121729E-04	-7.03296905E-04	6.54203598E-04
17	-8.54128776E-04	-7.92298714E-04	7.37859547E-04
18	-9.55392756E-04	-8.87431128E-04	8.27513915E-04
19	-1.06241580E-03	-9.88298782E-04	9.22857765E-04
20	-1.17450301E-03	-1.09433102E-03	1.02342576E-03
21	-1.29074045E-03	-1.20476136E-03	1.12857696E-03
22	-1.40997400E-03	-1.31860744E-03	1.23747591E-03
23	-1.53078985E-03	-1.43465226E-03	1.34907456E-03
24	-1.65149722E-03	-1.55142707E-03	1.46209558E-03
25	-1.77011448E-03	-1.66719708E-03	1.57501776E-03
26	-1.88435942E-03	-1.77995050E-03	1.68606433E-03
27	-1.99164493E-03	-1.88739218E-03	1.79319495E-03
28	-2.08908120E-03	-1.98694266E-03	1.89410236E-03
29	-2.17348578E-03	-2.07574399E-03	1.98621475E-03

L R	54	55	56
EIGENVALUE	-2.97836692E+01	-3.16925633E+01	-3.96876512E+01
COEFFICIENT			
K			
0	4.02946414E-05	-8.11938598E-05	4.32873925E-05
1	4.76773609E-05	-9.61954966E-05	5.14924736E-05
2	5.85532221E-05	-1.18278323E-04	6.35435302E-05
3	7.22980612E-05	-1.46218793E-04	7.89447985E-05
4	8.89590346E-05	-1.80145027E-04	9.75196325E-05
5	1.08756488E-04	-2.20540483E-04	1.19891565E-04
6	1.31978311E-04	-2.68033766E-04	1.46376771E-04
7	1.58944960E-04	-3.23330176E-04	1.77451080E-04
8	1.89992896E-04	-3.87180330E-04	2.13636742E-04
9	2.25463615E-04	-4.60360153E-04	2.55495466E-04
10	2.65694217E-04	-5.43654088E-04	3.03623609E-04
11	3.11007993E-04	-6.37838469E-04	3.58647456E-04
12	3.61704352E-04	-7.43663670E-04	4.21218573E-04
13	4.18047787E-04	-8.61834369E-04	4.92008125E-04
14	4.80255717E-04	-9.92987564E-04	5.71700362E-04
15	5.48485150E-04	-1.13766815E-03	6.60984948E-04
16	6.22818170E-04	-1.29630198E-03	7.60548034E-04
17	7.03246310E-04	-1.46916642E-03	8.71061964E-04
18	7.89653929E-04	-1.65635852E-03	9.93173538E-04
19	8.81800765E-04	-1.85776097E-03	1.12749076E-03
20	9.79303906E-04	-2.07300620E-03	1.27456802E-03
21	1.08161948E-03	-2.30143894E-03	1.43488970E-03
22	1.18802445E-03	-2.54207793E-03	1.60885225E-03
23	1.29759894E-03	-2.79357722E-03	1.79674462E-03
24	1.40920970E-03	-3.05418820E-03	1.99872735E-03
25	1.52149517E-03	-3.32172291E-03	2.21481025E-03
26	1.63285300E-03	-3.59352016E-03	2.44482892E-03
27	1.74143073E-03	-3.86641543E-03	2.68842030E-03
28	1.84512040E-03	-4.13671612E-03	2.94499756E-03
29	1.94155813E-03	-4.40018371E-03	3.21372465E-03

L R	3 0	3 1	3 2
EIGENVALUE	-4.44449153E+00	-4.78279989E+00	-5.16529957E+00
COEFFICIENT			
K			
0	-5.55026885E-02	-9.46902367E-02	1.20346334E-01
1	9.25760692E-02	6.67423762E-02	-2.98205265E-02
2	-4.58980585E-02	3.58733206E-02	-3.95689808E-02
3	5.06027050E-03	-3.44617947E-02	2.11825734E-02
4	5.57116848E-04	3.20600399E-03	-2.61774613E-02
5	1.33027980E-04	5.30412747E-04	-1.75254809E-03
6	4.15323650E-05	1.58205944E-04	-3.85224531E-04
7	1.47117620E-05	5.86984432E-05	-1.37096613E-04
8	5.55823800E-06	2.42242790E-05	-5.83438386E-05
9	2.16358852E-06	1.06002827E-05	-2.70428404E-05
10	8.45851978E-07	4.80015742E-06	-1.31300650E-05
11	3.23344314E-07	2.21768945E-06	-6.55217785E-06
12	1.15931210E-07	1.03541936E-06	-3.32588411E-06
13	3.53454845E-08	4.84866634E-07	-1.70657090E-06
14	5.76386279E-09	2.26077258E-07	-8.81539565E-07
15	-3.71773942E-09	1.04060109E-07	-4.57013136E-07
16	-5.66873511E-09	4.67067531E-08	-2.37171321E-07
17	-5.10517501E-09	2.00219691E-08	1.22899802E-07
18	-3.94024524E-09	7.85231722E-09	-6.34133366E-08
19	-2.83492600E-09	2.49723833E-09	-3.24660208E-08
20	-1.96500019E-09	2.90453868E-10	-1.64133866E-08
21	-1.33372233E-09	-5.02461081E-10	-8.13455435E-09
22	-8.94679059E-10	-6.91413302E-10	-3.90522111E-09
23	-5.96566823E-10	-6.46080697E-10	-1.77646704E-09
24	-3.96901444E-10	-5.28723841E-10	-7.29561826E-10
25	-2.64159664E-10	-4.05670556E-10	-2.33604418E-10
26	-1.76201018E-10	-3.00241783E-10	-1.34093286E-11
27	-1.17945585E-10	-2.17499308E-10	7.24430016E-11
28	-7.93050551E-11	-1.55528259E-10	9.56800425E-11
29	-5.35997889E-11	-1.10366671E-10	9.19573283E-11

L	R	3	3	3
	EIGENVALUE	-5.57489248E+00	-5.99838420E+00	-6.42597900E+00
	COEFFICIENT			
K				
0		-1.36658562E-01	1.47404772E-01	1.52174742E-01
1		-1.34345569E-03	2.53397185E-02	4.28990926E-02
2		2.39710261E-02	-5.75707921E-03	1.06302148E-02
3		2.61000845E-02	-1.67542479E-02	-3.97971262E-03
4		1.53960756E-02	-1.87898208E-02	-1.14573864E-02
5		-2.03165121E-02	-1.27177471E-02	-1.42883069E-02
6		7.91948051E-04	1.59020815E-02	-1.15201402E-02
7		2.30648259E-04	-1.33461890E-04	1.23490500E-02
8		9.86551324E-05	-8.75364347E-05	3.33367338E-04
9		4.81399568E-05	-5.34293215E-05	4.17529724E-05
10		2.48992352E-05	-3.20712954E-05	-5.11101549E-06
11		1.32675237E-05	-1.91131488E-05	-1.18806716E-05
12		7.18921017E-06	-1.13432468E-05	-1.03140106E-05
13		3.93532158E-06	-6.71291192E-06	-7.49647026E-06
14		2.16809015E-06	-3.96439028E-06	-5.08166342E-06
15		1.19949725E-06	-2.33748227E-06	-3.32498588E-06
16		6.65440006E-07	-1.37653283E-06	-2.13108748E-06
17		3.69784633E-07	-8.09875845E-07	-1.34801501E-06
18		2.05660683E-07	-4.76154614E-07	-8.45154663E-07
19		1.14387722E-07	-2.79807556E-07	-5.26619544E-07
20		6.35745391E-08	-1.64368069E-07	-3.26713813E-07
21		3.52743175E-08	-9.65307246E-08	-2.02075449E-07
22		1.95165205E-08	-5.66791114E-08	-1.24726825E-07
23		1.07511224E-08	-3.32721085E-08	-7.68842406E-08
24		5.88450400E-09	-1.95250900E-08	-4.73599018E-08
25		3.19073484E-09	-1.14518027E-08	-2.91672821E-08
26		1.70650833E-09	-6.71091508E-09	-1.79667616E-08
27		8.94198991E-10	-3.92742068E-09	-1.10732987E-08
28		4.53943229E-10	-2.29378667E-09	-6.83020865E-09
29		2.18711352E-10	-1.33568163E-09	-4.21726641E-09

L	R	3	3	3
	EIGENVALUE	-6.85301232E+00	-7.28282101E+00	-7.72340888E+00
	COEFFICIENT			
K				
0		1.46463786E-01	-1.27528388E-01	-1.00950050E-01
1		5.28983442E-02	-5.37741819E-02	-4.74748377E-02
2		2.28953480E-02	-2.89229870E-02	-2.88991141E-02
3		7.89994259E-03	-1.58985911E-02	-1.89422754E-02
4		-1.34762547E-03	-7.26281720E-03	-1.21223169E-02
5		-7.50611536E-03	-6.97104778E-04	-6.64719870E-03
6		-1.11455059E-02	4.61049542E-03	-1.79603962E-03
7		-1.10354277E-02	8.74004593E-03	2.72081866E-03
8		9.41562324E-03	1.07005939E-02	6.90698706E-03
9		6.29210334E-04	-7.11465861E-03	1.01835742E-02
10		1.46723248E-04	-7.55083217E-04	-5.47430698E-03
11		4.03993740E-05	-2.11872782E-04	-7.59901705E-04
12		9.65157724E-06	-7.41036774E-05	-2.37285653E-04
13		2.84440183E-07	-2.77216347E-05	-9.21664220E-05
14		-2.20214767E-06	-1.01657911E-05	-3.91690173E-05
15		-2.44024956E-06	-3.24403016E-06	-1.72007129E-05
16		-2.02658609E-06	-5.60849741E-07	-7.50296262E-06
17		-1.51211244E-06	3.83350886E-07	-3.10982942E-06
18		-1.06877217E-06	6.23179626E-07	-1.12518085E-06
19		-7.31779461E-07	5.96749153E-07	-2.58674462E-07
20		-4.90941321E-07	4.87934808E-07	8.85488983E-08
21		-3.24860497E-07	3.70126765E-07	2.00090910E-07
22		-2.12906599E-07	2.68968175E-07	2.10625572E-07
23		-1.38588794E-07	1.90217239E-07	1.83131034E-07
24		-8.97816939E-08	1.32085956E-07	1.45911621E-07
25		-5.79726124E-08	9.05567019E-08	1.10668223E-07
26		-3.73545142E-08	6.15240661E-08	8.13715662E-08
27		-2.40413104E-08	4.15301722E-08	5.85934530E-08
28		-1.54669922E-08	2.79071909E-08	4.15788815E-08
29		-9.95338341E-09	1.86959522E-08	2.91978433E-08



L R	3 9	3 10	3 11
EIGENVALUE	-8.17894753E+00	-8.64801373E+00	-9.12725102E+00
COEFFICIENT			
K			
0	-7.55667184E-02	-5.56503739E-02	4.12292288E-02
1	-3.85838323E-02	-3.03001937E-02	2.36312617E-02
2	-2.55062649E-02	-2.12585937E-02	1.73438491E-02
3	-1.84466715E-02	-1.63971363E-02	1.40056841E-02
4	-1.35539017E-02	-1.30350424E-02	1.17274621E-02
5	-9.52696991E-03	-1.02437448E-02	9.84150725E-03
6	-5.80762270E-03	-7.60907728E-03	8.04182412E-03
7	-2.12054179E-03	-4.91035914E-03	6.15851846E-03
8	1.67231145E-03	-2.01239678E-03	4.08061005E-03
9	5.60276824E-03	1.17681970E-03	1.72393304E-03
10	9.45703681E-03	4.72138508E-03	-9.85659475E-04
11	-4.38698824E-03	8.64067474E-03	-4.12752167E-03
12	-7.13298763E-04	-3.68242521E-03	-7.83491891E-03
13	-2.38665218E-04	-6.57868785E-04	3.21907971E-03
14	-9.86569547E-05	-2.30488751E-04	6.08476144E-04
15	-4.48069487E-05	-9.92504132E-05	2.19959138E-04
16	-2.12630474E-05	-4.69894331E-05	9.74234853E-05
17	-1.02369264E-05	-2.33275387E-05	4.74479493E-05
18	-4.88430843E-06	-1.18262136E-05	2.42674494E-05
19	-2.24899784E-06	-6.00958313E-06	1.27096383E-05
20	-9.56464308E-07	-3.00916733E-06	6.70220601E-06
21	-3.36909844E-07	-1.45361876E-06	3.50892266E-06
22	-5.45816823E-08	-6.53690065E-07	1.79648626E-06
23	6.12419575E-08	-2.51704530E-07	8.80395966E-07
24	9.75813530E-08	-5.85269846E-08	3.96982015E-07
25	9.83873065E-08	2.67062307E-08	1.48864248E-07
26	8.53510917E-08	5.77584112E-08	2.76820358E-08
27	6.87192441E-08	6.30179163E-08	-2.62522395E-08
28	5.29471337E-08	5.71770838E-08	-4.56815200E-08
29	3.96477531E-08	4.75769491E-08	-4.83551136E-08

L R	3 12	3 13	3 14
EIGENVALUE	-9.61370724E+00	-1.01052818E+01	-1.06005548E+01
COEFFICIENT			
K			
0	3.09960664E-02	2.36938061E-02	1.84041591E-02
1	1.85247856E-02	1.46595298E-02	1.17228806E-02
2	1.40845676E-02	1.14668928E-02	9.38636974E-03
3	1.17732543E-02	9.84752248E-03	8.23806492E-03
4	1.02321904E-02	8.80331978E-03	7.52983352E-03
5	8.97326105E-03	7.97077086E-03	6.98618409E-03
6	7.76804416E-03	7.17688730E-03	6.47419636E-03
7	6.48620091E-03	6.32089367E-03	5.91512853E-03
8	5.03985640E-03	5.33340785E-03	5.25386221E-03
9	3.36039265E-03	4.15950752E-03	4.44630945E-03
10	1.38651927E-03	2.75034798E-03	3.45336617E-03
11	-9.44795123E-04	1.05775345E-03	2.23741383E-03
12	-3.71339424E-03	-9.71556097E-04	7.59553854E-04
13	-7.08673831E-03	-3.40881454E-03	-1.02405634E-03
14	-2.90452740E-03	-6.40984470E-03	-3.17137333E-03
15	5.67502639E-04	2.68312055E-03	-5.80326663E-03
16	2.09620140E-04	5.33690765E-04	2.52163706E-03
17	9.47257115E-05	2.00099661E-04	5.05241359E-04
18	4.70759149E-05	9.17520197E-05	1.91391539E-04
19	2.45895413E-05	4.62820193E-05	8.87063605E-05
20	1.31711144E-05	2.45524284E-05	4.52489155E-05
21	7.11899633E-06	1.33681144E-05	2.42866235E-05
22	3.83336285E-06	7.35340370E-06	1.33865300E-05
23	2.03021861E-06	4.03676336E-06	7.45948033E-06
24	1.04028855E-06	2.18569813E-06	4.15210475E-06
25	5.01920363E-07	1.15056929E-06	2.28255373E-06
26	2.15125075E-07	5.75878070E-07	1.22266438E-06
27	6.78283781E-08	2.62262573E-07	6.25367029E-07
28	-3.12213960E-09	9.62654169E-08	2.93909764E-07
29	-3.32639633E-08	1.28675681E-08	1.14975256E-07

RI	3	3	3
	15	16	17
EIGENVALUE	-1.10985635E+01	-1.15986413E+01	-1.21003147E+01
COEFFICIENT			
K			
0	-1.45049307E-02	1.15808797E-02	-9.35297355E-03
1	-9.47074154E-03	7.72434605E-03	-6.35495399E-03
2	-7.73268647E-03	6.41224135E-03	-5.35121215E-03
3	-6.90935758E-03	5.81626870E-03	-4.91637660E-03
4	-6.42995731E-03	5.49394716E-03	-4.70262022E-03
5	-6.08232563E-03	5.27958752E-03	-4.57892855E-03
6	-5.76296444E-03	5.09164511E-03	-4.48038173E-03
7	-5.40970848E-03	4.88058263E-03	-4.36718162E-03
8	-4.97842307E-03	4.61079566E-03	-4.21041923E-03
9	-4.43345270E-03	4.25323394E-03	-3.98627843E-03
10	-3.74313864E-03	3.78199713E-03	-3.67339513E-03
11	-2.87740415E-03	3.17258846E-03	-3.25154921E-03
12	-1.80618605E-03	2.40091734E-03	-2.70098052E-03
13	-4.98056053E-04	1.44265943E-03	-2.00204133E-03
14	1.08170772E-03	2.72793196E-04	-1.13509899E-03
15	2.97593817E-03	-1.13477634E-03	-8.07724548E-05
16	5.26078956E-03	-2.80756404E-03	1.17904173E-03
17	-2.39982486E-03	-4.77496120E-03	2.65725801E-03
18	-4.80621271E-04	2.30496091E-03	4.33862203E-03
19	-1.83325633E-04	4.58676332E-04	-2.22880135E-03
20	-8.56450866E-05	1.75720561E-04	-4.38573586E-04
21	-4.40599354E-05	8.25730628E-05	-1.68425841E-04
22	-2.38607731E-05	4.27551492E-05	-7.94803699E-05
23	-1.32751237E-05	2.33136001E-05	-4.13557646E-05
24	-7.46955489E-06	1.30634549E-05	-2.26689794E-05
25	-4.19993023E-06	7.40414580E-06	-1.27708737E-05
26	-2.33344159E-06	4.19373675E-06	-7.27719905E-06
27	-1.26417672E-06	2.34691903E-06	-4.14296524E-06
28	-6.54854952E-07	1.28038014E-06	-2.32911978E-06
29	-3.12639939E-07	6.67516971E-07	-1.27513997E-06

RI	3	3	3
	18	19	20
EIGENVALUE	-1.26032387E+01	-1.31071564E+01	-1.36118725E+01
COEFFICIENT			
K			
0	7.63087268E-03	-6.28244130E-03	-5.21431047E-03
1	5.26975379E-03	-4.40128293E-03	-3.69996468E-03
2	4.49273496E-03	-3.79332084E-03	-3.21967395E-03
3	4.17346322E-03	-3.55780588E-03	-3.04542689E-03
4	4.03512831E-03	-3.47202331E-03	-2.99627578E-03
5	3.97298729E-03	-3.45140779E-03	-3.00334202E-03
6	3.93487709E-03	-3.45369989E-03	-3.03213450E-03
7	3.88859452E-03	-3.45267656E-03	-3.06117821E-03
8	3.81053808E-03	-3.42897928E-03	-3.07453048E-03
9	3.68108636E-03	-3.36638010E-03	-3.05872874E-03
10	3.48251027E-03	-3.25010299E-03	-3.00142079E-03
11	3.19796499E-03	-3.06602762E-03	-2.89072184E-03
12	2.81099516E-03	-2.80031616E-03	-2.71492270E-03
13	2.30532402E-03	-2.43927436E-03	-2.46239156E-03
14	1.66485729E-03	-1.96938329E-03	-2.12161104E-03
15	8.73957055E-04	-1.37752418E-03	-1.68135262E-03
16	-8.17464274E-05	-6.51533772E-04	-1.13105737E-03
17	-1.21307683E-03	2.18497689E-04	-4.61617177E-04
18	-2.51953204E-03	1.23684945E-03	3.32914140E-04
19	-3.94540359E-03	2.39099061E-03	1.25099510E-03
20	2.16585058E-03	3.58981734E-03	2.26950621E-03
21	4.19721190E-04	-2.11235243E-03	3.26719285E-03
22	1.61327887E-04	-4.01701338E-04	-2.06568414E-03
23	7.63557629E-05	-1.54345425E-04	-3.84220439E-04
24	3.98748335E-05	-7.31910862E-05	-1.47422826E-04
25	2.19431620E-05	-3.83219870E-05	-6.99822193E-05
26	1.24110818E-05	-2.11483238E-05	-3.67055137E-05
27	7.09886077E-06	-1.19945083E-05	-2.02943540E-05
28	4.05464074E-06	-6.87697851E-06	-1.15295849E-05
29	2.28470269E-06	-3.93428638E-06	-6.61793825E-06

L R	3 21	3 22	3 23
EIGENVALUE	-1.41172360E+01	-1.46231283E+01	-1.51294550E+01
COEFFICIENT			
K			
0	-4.35938049E-03	-3.66866629E-03	3.10588670E-03
1	-3.12893689E-03	-2.66047174E-03	2.27347995E-03
2	-2.74618105E-03	-2.35301222E-03	2.02470603E-03
3	-2.61711226E-03	-2.25748674E-03	1.95422902E-03
4	-2.59342407E-03	-2.25137779E-03	1.96010801E-03
5	-2.61856677E-03	-2.28792104E-03	2.00341481E-03
6	-2.66419894E-03	-2.34368378E-03	2.06466430E-03
7	-2.71264282E-03	-2.40404462E-03	2.13170928E-03
8	-2.75072156E-03	-2.45807702E-03	2.19546175E-03
9	-2.76723879E-03	-2.49644959E-03	2.24813003E-03
10	-2.75184631E-03	-2.51047949E-03	2.28242009E-03
11	-2.69451492E-03	-2.49168967E-03	2.29115977E-03
12	-2.58529847E-03	-2.43161243E-03	2.26713120E-03
13	-2.41425960E-03	-2.32172917E-03	2.20301859E-03
14	-2.17150412E-03	-2.15349924E-03	2.09143048E-03
15	-1.84731615E-03	-1.91846533E-03	1.92498226E-03
16	-1.43242711E-03	-1.60845009E-03	1.69644391E-03
17	-9.18515207E-04	-1.21589339E-03	1.39897871E-03
18	-2.99172231E-04	-7.34446081E-04	1.02653280E-03
19	4.28035454E-04	-1.60090662E-04	5.74505163E-04
20	1.25643651E-03	5.06504702E-04	4.09953679E-05
21	2.15373029E-03	1.25418539E-03	-5.70600350E-04
22	2.97357086E-03	2.04279840E-03	-1.24524114E-03
23	-2.02398110E-03	-2.70559225E-03	-1.93614960E-03
24	-3.67073539E-04	-1.98589776E-03	-2.46039802E-03
25	-1.40523969E-04	-3.50119199E-04	1.95045141E-03
26	-6.67287649E-05	-1.33627258E-04	3.33261718E-04
27	-3.50332370E-05	-6.34333589E-05	1.26721752E-04
28	-1.93897748E-05	-3.33128452E-05	6.01009408E-05
29	-1.10234511E-05	-1.84422215E-05	3.15519764E-05

L R	3 24	3 25	3 26
EIGENVALUE	-1.56361401E+01	-1.61431220E+01	-1.66503499E+01
COEFFICIENT			
K			
0	2.64381205E-03	-2.26175754E-03	-1.94383547E-03
1	1.95175355E-03	-1.68271464E-03	-1.45651395E-03
2	1.74911985E-03	-1.51664928E-03	-1.31964525E-03
3	1.69743544E-03	-1.47911495E-03	-1.29279221E-03
4	1.71132463E-03	-1.49818085E-03	-1.31501795E-03
5	1.75818548E-03	-1.54639042E-03	-1.36307963E-03
6	1.82172942E-03	-1.61005990E-03	-1.42542859E-03
7	1.89182266E-03	-1.68070193E-03	-1.49492989E-03
8	1.96088477E-03	-1.75197636E-03	-1.56626691E-03
9	2.02239862E-03	-1.81842333E-03	-1.63485852E-03
10	2.07023104E-03	-1.87488167E-03	-1.69635835E-03
11	2.09831040E-03	-1.91620968E-03	-1.74641137E-03
12	2.10048068E-03	-1.93715617E-03	-1.78053862E-03
13	2.07045391E-03	-1.93231557E-03	-1.79409409E-03
14	2.00182553E-03	-1.89613680E-03	-1.78226765E-03
15	1.88813881E-03	-1.82297285E-03	-1.74012243E-03
16	1.72299806E-03	-1.70716851E-03	-1.66266300E-03
17	1.50024392E-03	-1.54319276E-03	-1.54493713E-03
18	1.21422307E-03	-1.32583340E-03	-1.38218091E-03
19	8.60218905E-04	-1.05049036E-03	-1.17002776E-03
20	4.35183491E-04	-7.13639234E-04	-9.04820076E-04
21	-6.09109546E-05	-3.13613085E-04	-5.84098702E-04
22	-6.22279691E-04	1.47962759E-04	-2.07424395E-04
23	-1.23054190E-03	6.63223083E-04	2.22122271E-04
24	-1.83341428E-03	1.21094358E-03	6.94874652E-04
25	-2.23554405E-03	1.73434366E-03	1.18721397E-03
26	1.91691753E-03	2.02893039E-03	1.63676508E-03
27	3.16438504E-04	-1.88475829E-03	1.83874323E-03
28	1.19804249E-04	-2.99611009E-04	-1.85357268E-03
29	5.67381061E-05	-1.12877086E-04	-2.82758180E-04

LR	3 27	3 28	3 29
EIGENVALUE	-1.71577820E+01	-1.76653834E+01	-1.81731248E+01
COEFFICIENT			
K			
0	1.67771855E-03	1.45375264E-03	-1.26431207E-03
1	1.26537411E-03	1.10310595E-03	-9.64748521E-04
2	1.15197576E-03	1.00869417E-03	-8.85786448E-04
3	1.13319657E-03	9.96018594E-04	-8.77719032E-04
4	1.15715125E-03	1.02069351E-03	-9.02410629E-04
5	1.20406955E-03	1.06582733E-03	-9.45369004E-04
6	1.26416252E-03	1.12308889E-03	-9.99476442E-04
7	1.33141089E-03	1.18738295E-03	-1.06040607E-03
8	1.40134517E-03	1.25494316E-03	-1.12497666E-03
9	1.47011582E-03	1.32253011E-03	-1.19045849E-03
10	1.53406020E-03	1.38705530E-03	-1.25424561E-03
11	1.58948910E-03	1.44539335E-03	-1.31369010E-03
12	1.63258314E-03	1.49428825E-03	-1.36601715E-03
13	1.65935086E-03	1.53031283E-03	-1.40828594E-03
14	1.66562665E-03	1.54986245E-03	-1.43737995E-03
15	1.64709796E-03	1.54917381E-03	-1.45001900E-03
16	1.59935803E-03	1.52436534E-03	-1.44278948E-03
17	1.51798495E-03	1.47149873E-03	-1.41219230E-03
18	1.39865235E-03	1.38666476E-03	-1.35470982E-03
19	1.23728366E-03	1.26610007E-03	-1.26689599E-03
20	1.03027186E-03	1.10634800E-03	-1.14549743E-03
21	7.74805387E-04	9.04486488E-04	-9.87619083E-04
22	4.69377940E-04	6.58464953E-04	-7.90958189E-04
23	1.14640425E-04	3.67629421E-04	-5.54149219E-04
24	-2.85050078E-04	3.35969762E-05	-2.77300041E-04
25	-7.18477958E-04	-3.38160476E-04	3.71181986E-05
26	-1.16003456E-03	-7.35106548E-04	3.82665169E-04
27	-1.54655343E-03	-1.13000615E-03	7.45689746E-04
28	-1.66340766E-03	-1.45761287E-03	1.09765606E-03
29	1.82306125E-03	-1.50154900E-03	1.37186505E-03

LR	3 30	3 31	3 32
EIGENVALUE	-1.86809817E+01	-1.91889331E+01	-1.96969615E+01
COEFFICIENT			
K			
0	-1.10332566E-03	-9.65924340E-04	8.48176530E-04
1	-8.46298532E-04	-7.44505205E-04	6.56713321E-04
2	-7.79977038E-04	-6.88578843E-04	6.09376465E-04
3	-7.75378422E-04	-6.86578334E-04	6.09307160E-04
4	-7.99604067E-04	-7.10015410E-04	6.31748798E-04
5	-8.40171785E-04	-7.48099818E-04	6.67341657E-04
6	-8.90978552E-04	-7.95580654E-04	7.11553331E-04
7	-9.48338712E-04	-8.49309268E-04	7.61686420E-04
8	-1.00955929E-03	-9.07001142E-04	8.15798960E-04
9	-1.07233700E-03	-9.66710358E-04	8.72245011E-04
10	-1.13447178E-03	-1.02657853E-03	9.29454048E-04
11	-1.19372012E-03	-1.08470478E-03	9.85815510E-04
12	-1.24771812E-03	-1.13907593E-03	1.03961557E-03
13	-1.29394390E-03	-1.18753076E-03	1.08900324E-03
14	-1.32970540E-03	-1.22774598E-03	1.13197523E-03
15	-1.35214692E-03	-1.25723836E-03	1.16637474E-03
16	-1.35827121E-03	-1.27338032E-03	1.18990168E-03
17	-1.34497643E-03	-1.27342801E-03	1.20013367E-03
18	-1.30910857E-03	-1.25456227E-03	1.19455781E-03
19	-1.24753181E-03	-1.21394389E-03	1.17061418E-03
20	-1.15722159E-03	-1.14878619E-03	1.12575292E-03
21	-1.03538872E-03	-1.05645013E-03	1.05750830E-03
22	-8.79648435E-04	-9.34570357E-04	9.63595052E-04
23	-6.88258710E-04	-7.81226665E-04	8.42035700E-04
24	-4.60470799E-04	-5.95185128E-04	6.91333433E-04
25	-1.97072578E-04	-3.76251991E-04	5.10714724E-04
26	9.87124007E-05	-1.25820848E-04	3.00484655E-04
27	4.19608027E-04	1.52224682E-04	6.252749181E-05
28	7.51034318E-04	4.49892933E-04	-1.98554798E-04
29	1.06344573E-03	7.51842597E-04	-4.74306254E-04

L		3		3		3
R		33		34		35
	EIGENVALUE	-2.02050515E+01		-2.07131904E+01		-2.12213668E+01
	COEFFICIENT					
K						
0						
1		7.46887511E-04		6.59445986E-04		-5.83705748E-04
2		5.80742198E-04		5.14791649E-04		-4.57368397E-04
3		5.40534750E-04		4.80526706E-04		-4.28076362E-04
4		5.41885064E-04		4.82903937E-04		-4.31179137E-04
5		5.63207853E-04		5.03044296E-04		-4.50115997E-04
6		5.96357981E-04		5.33837962E-04		-4.78662908E-04
7		6.37411198E-04		5.71877320E-04		-5.13852660E-04
8		6.84050522E-04		6.15167082E-04		-5.53962813E-04
9		7.34621969E-04		6.62295939E-04		-5.97787015E-04
10		7.87731801E-04		7.12082524E-04		-6.44323013E-04
11		8.42052233E-04		7.63403928E-04		-6.92620972E-04
12		8.96218789E-04		8.15104331E-04		-7.41702062E-04
13		9.48773041E-04		8.65943181E-04		-7.90511588E-04
14		9.98130701E-04		9.14565350E-04		-8.37891214E-04
15		1.04256592E-03		9.59485240E-04		-8.82563222E-04
16		1.08020745E-03		9.99081097E-04		-9.23123520E-04
17		1.10904475E-03		1.03159780E-03		-9.58041895E-04
18		1.12694317E-03		1.05515748E-03		-9.85668971E-04
19		1.13166837E-03		1.06777793E-03		-1.00424980E-03
20		1.12092045E-03		1.06739921E-03		-1.01194441E-03
21		1.09237904E-03		1.05191939E-03		-1.00685597E-03
22		1.04376167E-03		1.01924069E-03		-9.87067496E-04
23		9.72898646E-04		9.67328549E-04		-9.50688735E-04
24		8.77830097E-04		8.94286988E-04		-8.95915570E-04
25		7.56934025E-04		7.98455956E-04		-8.21105532E-04
26		6.09099671E-04		6.78539442E-04		-7.24875036E-04
27		4.33970489E-04		5.33778690E-04		-6.06227119E-04
28		2.32299176E-04		3.64194447E-04		-4.64723818E-04
29		6.49382610E-06		1.70940165E-04		-3.00726774E-04
		-2.38486273E-04		-4.31560317E-05		-1.15747245E-04

L		3		3		3
R		36		37		38
	EIGENVALUE	-2.17295713E+01		-2.22377954E+01		-2.27460322E+01
	COEFFICIENT					
K						
0						
1						
2						
3		5.17893715E-04		4.60537949E-04		-4.10410931E-04
4		4.07228107E-04		3.63329425E-04		-3.24797331E-04
5		3.82113210E-04		3.41735690E-04		-3.06181772E-04
6		3.85710547E-04		3.45650999E-04		-3.10280590E-04
7		4.03452636E-04		3.62227520E-04		-3.25734379E-04
8		4.29875970E-04		3.86656892E-04		-3.48300931E-04
9		4.62389995E-04		4.16671704E-04		-3.75990897E-04
10		4.99504345E-04		4.50979526E-04		-4.07681102E-04
11		5.40186158E-04		4.88694656E-04		-4.42610929E-04
12		5.83584466E-04		5.29094102E-04		-4.80165795E-04
13		6.28895783E-04		5.71498238E-04		-5.19770990E-04
14		6.75291473E-04		6.15205933E-04		-5.60833686E-04
15		7.21875381E-04		6.59456286E-04		-6.02708369E-04
16		7.67658104E-04		7.03404861E-04		-6.44674979E-04
17		8.11541644E-04		7.46108925E-04		-6.85924845E-04
18		8.52311563E-04		7.86519113E-04		-7.25552132E-04
19		8.88635335E-04		8.23476369E-04		-7.62549789E-04
20		9.19066399E-04		8.55713754E-04		-7.95809628E-04
21		9.42053891E-04		8.81863082E-04		-8.24126516E-04
22		9.55958294E-04		9.00466610E-04		-8.46206865E-04
23		9.59073483E-04		9.09994146E-04		-8.60681743E-04
24		9.49655914E-04		9.08866169E-04		-8.66125066E-04
25		9.25962034E-04		8.95483721E-04		-8.61077464E-04
26		8.86295538E-04		8.68266246E-04		-8.44076659E-04
27		8.29066864E-04		8.25698976E-04		-8.13695503E-04
28		7.52868564E-04		7.66392320E-04		-7.68589335E-04
29		6.56572117E-04		6.89156842E-04		-7.07555048E-04
		5.39454848E-04		5.93099348E-04		-6.29605473E-04
		4.01370886E-04		4.77748611E-04		-5.34064479E-04
		2.42989300E-04		3.43224384E-04		-4.20691151E-04

L R	3 39	3 40	3 41
EIGENVALUE	-2.32542753E+01	-2.37625194E+01	-2.42707599E+01
COEFFICIENT			
K			
0	-3.66484570E-04	-3.27894322E-04	2.93910388E-04
1	-2.90893753E-04	-2.60993872E-04	2.34566933E-04
2	-2.74805138E-04	-2.47055821E-04	2.22464388E-04
3	-2.78985678E-04	-2.51241670E-04	2.26598838E-04
4	-2.93368219E-04	-2.64609459E-04	2.39010771E-04
5	-3.14201260E-04	-2.83834217E-04	2.56746961E-04
6	-3.39735401E-04	-3.07374170E-04	2.78445752E-04
7	-3.68992567E-04	-3.34375928E-04	3.03361149E-04
8	-4.01318670E-04	-3.64276299E-04	3.31007657E-04
9	-4.36191081E-04	-3.96630754E-04	3.61007156E-04
10	-4.73124038E-04	-4.31028996E-04	3.93013425E-04
11	-5.11616737E-04	-4.67048453E-04	4.26670417E-04
12	-5.51122125E-04	-5.04226091E-04	4.61586808E-04
13	-5.91026830E-04	-5.42040042E-04	4.97319200E-04
14	-6.30637872E-04	-5.79897127E-04	5.33360476E-04
15	-6.69174112E-04	-6.17124456E-04	5.69131657E-04
16	-7.05761522E-04	-6.52964286E-04	6.03976550E-04
17	-7.39431970E-04	-6.86571845E-04	6.37158891E-04
18	-7.69125489E-04	-7.17016121E-04	6.67861993E-04
19	-7.93696204E-04	-7.43283747E-04	6.95191034E-04
20	-8.11922206E-04	-7.64286249E-04	7.18178186E-04
21	-8.22519732E-04	-7.78870975E-04	7.35790892E-04
22	-8.24162148E-04	-7.85836090E-04	7.46943621E-04
23	-8.15504356E-04	-7.83950149E-04	7.50513483E-04
24	-7.95213454E-04	-7.71976859E-04	7.45360231E-04
25	-7.62006822E-04	-7.48705880E-04	7.30351238E-04
26	-7.14699271E-04	-7.12990812E-04	7.04392308E-04
27	-6.52261647E-04	-6.63796013E-04	6.66465458E-04
28	-5.73894420E-04	-6.00254579E-04	6.15675272E-04
29	-4.79121556E-04	-5.21740980E-04	5.51306144E-04

L R	3 42	3 43	3 44
EIGENVALUE	-2.47789929E+01	-2.52872148E+01	-2.57954231E+01
COEFFICIENT			
K			
0	2.63914510E-04	-2.37381164E-04	-2.13862280E-04
1	2.11160629E-04	-1.90388340E-04	-1.71918692E-04
2	2.00628967E-04	-1.81204588E-04	-1.63894382E-04
3	2.04670620E-04	-1.85123917E-04	-1.67671060E-04
4	2.16186124E-04	-1.95801644E-04	-1.77567995E-04
5	2.32547087E-04	-2.10893914E-04	-1.91491155E-04
6	2.52548500E-04	-2.29332272E-04	-2.08491390E-04
7	2.75537073E-04	-2.50543622E-04	-2.28065121E-04
8	3.01093836E-04	-2.74166049E-04	-2.49899439E-04
9	3.28897206E-04	-2.99926147E-04	-2.73762029E-04
10	3.58655394E-04	-3.27578400E-04	-2.99446725E-04
11	3.90068946E-04	-3.56871500E-04	-3.26743192E-04
12	4.22807745E-04	-3.87527578E-04	-3.55418155E-04
13	4.56495680E-04	-4.19228213E-04	-3.85202647E-04
14	4.90699821E-04	-4.51604410E-04	-4.15782757E-04
15	5.24922622E-04	-4.84229195E-04	-4.46792646E-04
16	5.58596494E-04	-5.16612232E-04	-4.77809288E-04
17	5.91080494E-04	-5.48196225E-04	-5.08348717E-04
18	6.21659123E-04	-5.78355098E-04	-5.37863775E-04
19	6.49543356E-04	-6.06394050E-04	-5.65743427E-04
20	6.73874085E-04	-6.31551666E-04	-5.91313826E-04
21	6.93728247E-04	-6.53004308E-04	-6.13841303E-04
22	7.08127916E-04	-6.69873035E-04	-6.32537524E-04
23	7.16052703E-04	-6.81233356E-04	-6.46567072E-04
24	7.16455850E-04	-6.86128133E-04	-6.55057724E-04
25	7.08284514E-04	-6.83584031E-04	-6.57113745E-04
26	6.90504857E-04	-6.72631980E-04	-6.51832592E-04
27	6.62132757E-04	-6.52332272E-04	-6.38323463E-04
28	6.22271276E-04	-6.21805087E-04	-6.15742314E-04
29	5.70156454E-04	-5.80267549E-04	-5.83302117E-04

L R	3 45	3 46	3 47
EIGENVALUE	-2.63036156E+01	-2.68117909E+01	-2.73199490E+01
COEFFICIENT			
K			
0	1.92974803E-04	-1.74390614E-04	-1.57828502E-04
1	1.55466986E-04	-1.40788227E-04	-1.27671566E-04
2	1.48442344E-04	-1.34627399E-04	-1.22258690E-04
3	1.52063146E-04	-1.38084579E-04	-1.25548712E-04
4	1.61234028E-04	-1.46581553E-04	-1.33421179E-04
5	1.74080777E-04	-1.58437937E-04	-1.44366940E-04
6	1.89758712E-04	-1.72900705E-04	-1.57713535E-04
7	2.07824623E-04	-1.89579174E-04	-1.73116059E-04
8	2.28007757E-04	-2.08238902E-04	-1.90371385E-04
9	2.50110878E-04	-2.28712616E-04	-2.09337850E-04
10	2.73961291E-04	-2.50856101E-04	-2.29895467E-04
11	2.99383529E-04	-2.74523557E-04	-2.51923674E-04
12	3.26182374E-04	-2.99552237E-04	-2.75287417E-04
13	3.54131245E-04	-3.25751879E-04	-2.99827542E-04
14	3.82963676E-04	-3.52896866E-04	-3.25353587E-04
15	4.12366764E-04	-3.80720110E-04	-3.51638098E-04
16	4.41976090E-04	-4.08908197E-04	-3.78412019E-04
17	4.71371923E-04	-4.37097612E-04	-4.05361002E-04
18	5.00766666E-04	-4.64872013E-04	-4.32122581E-04
19	5.27553636E-04	-4.91760608E-04	-4.58284286E-04
20	5.53207301E-04	-5.17237773E-04	-4.83382782E-04
21	5.76385162E-04	-5.40724051E-04	-5.06904185E-04
22	5.96381483E-04	-5.61588726E-04	-5.28285706E-04
23	6.12443085E-04	-5.79154170E-04	-5.46918817E-04
24	6.23777464E-04	-5.92702170E-04	-5.62154114E-04
25	6.29563492E-04	-6.01482486E-04	-5.73308095E-04
26	6.28965011E-04	-6.04723887E-04	-5.79672079E-04
27	6.21147692E-04	-6.01647965E-04	-5.80523496E-04
28	6.05299604E-04	-5.91486074E-04	-5.75139851E-04
29	5.80656069E-04	-5.73499848E-04	-5.62815636E-04

L R	3 48	3 49	3 50
EIGENVALUE	-2.78280920E+01	-2.83362271E+01	-2.88443738E+01
COEFFICIENT			
K			
0	-1.43048203E-04	-1.29847174E-04	1.18062749E-04
1	-1.15936226E-04	-1.05429496E-04	9.60290205E-05
2	-1.11172151E-04	-1.01228991E-04	9.23182263E-05
3	-1.14294737E-04	-1.04186451E-04	9.51151531E-05
4	-1.21589381E-04	-1.10947500E-04	1.01385095E-04
5	-1.31698451E-04	-1.20288726E-04	1.10023524E-04
6	-1.44020420E-04	-1.31671125E-04	1.20546543E-04
7	-1.58250339E-04	-1.44824660E-04	1.32714619E-04
8	-1.74212112E-04	-1.59596586E-04	1.45395172E-04
9	-1.91785975E-04	-1.75885858E-04	1.61503154E-04
10	-2.10872547E-04	-1.93610617E-04	1.77971532E-04
11	-2.31372723E-04	-2.12689983E-04	1.95735035E-04
12	-2.53175058E-04	-2.33032617E-04	2.14719273E-04
13	-2.76147022E-04	-2.54528760E-04	2.34833981E-04
14	-3.00128393E-04	-2.77044177E-04	2.55967229E-04
15	-3.24925982E-04	-3.00415279E-04	2.77980956E-04
16	-3.50309288E-04	-3.24445040E-04	3.00707157E-04
17	-3.76006920E-04	-3.48899569E-04	3.23944616E-04
18	-4.01703758E-04	-3.73505293E-04	3.47456154E-04
19	-4.27038879E-04	-3.97946784E-04	3.70966406E-04
20	-4.51604357E-04	-4.21865312E-04	3.94160206E-04
21	-4.74945042E-04	-4.44858214E-04	4.16681660E-04
22	-4.96559473E-04	-4.66479234E-04	4.38134027E-04
23	-5.15902078E-04	-4.86239949E-04	4.58090534E-04
24	-5.32386843E-04	-5.03612452E-04	4.76046253E-04
25	-5.45392620E-04	-5.18033457E-04	4.91521236E-04
26	-5.54270281E-04	-5.28909984E-04	5.03964932E-04
27	-5.58351920E-04	-5.35626820E-04	5.12812258E-04
28	-5.56962341E-04	-5.37555952E-04	5.17481281E-04
29	-5.49433105E-04	-5.34068196E-04	5.17382839E-04

K	R	3		
		51	52	53
	EIGENVALUE	-2.93525891E+01	-2.98610646E+01	-3.03706622E+01
	COEFFICIENT			
0		1.07589799E-04	-9.84599227E-05	9.12860912E-05
1		8.76576599E-05	-8.03486755E-05	7.46102287E-05
2		8.43713065E-05	-7.74252962E-05	7.19752347E-05
3		8.70149911E-05	-7.99284990E-05	7.43713196E-05
4		9.28365735E-05	-8.53514724E-05	7.94848744E-05
5		1.00836425E-04	-9.27855453E-05	8.64789487E-05
6		1.10579052E-04	-1.01837054E-04	9.49929623E-05
7		1.21851493E-04	-1.12315857E-04	1.04854928E-04
8		1.34538542E-04	-1.24121541E-04	1.15976300E-04
9		1.48568779E-04	-1.37194200E-04	1.28306496E-04
10		1.63887820E-04	-1.51490042E-04	1.41810357E-04
11		1.80443325E-04	-1.66967712E-04	1.56455515E-04
12		1.98175550E-04	-1.83579673E-04	1.72204424E-04
13		2.17010737E-04	-2.01266155E-04	1.89008758E-04
14		2.36656037E-04	-2.19950490E-04	2.06805075E-04
15		2.57595336E-04	-2.39535259E-04	2.25511211E-04
16		2.79085703E-04	-2.59898961E-04	2.45023146E-04
17		3.01154287E-04	-2.80893092E-04	2.65212214E-04
18		3.23595652E-04	-3.02339574E-04	2.85922615E-04
19		3.46169557E-04	-3.24028550E-04	3.06969231E-04
20		3.68599227E-04	-3.45716599E-04	3.28135796E-04
21		3.90570208E-04	-3.67125434E-04	3.49173468E-04
22		4.11729903E-04	-3.87941167E-04	3.69799889E-04
23		4.31687893E-04	-4.07814252E-04	3.89698819E-04
24		4.50017179E-04	-4.26360206E-04	4.08520447E-04
25		4.66256474E-04	-4.43161236E-04	4.25882487E-04
26		4.79913668E-04	-4.57768888E-04	4.41372166E-04
27		4.90470641E-04	-4.69707855E-04	4.54549240E-04
28		4.97389543E-04	-4.78481080E-04	4.64950139E-04
29		5.00120727E-04	-4.83576290E-04	4.72093391E-04

K	R	3		
		54	55	56
	EIGENVALUE	-3.08895077E+01	-3.31916965E+01	-4.16840518E+01
	COEFFICIENT			
0		9.33597230E-05	-1.64463210E-04	7.49088167E-05
1		7.64211318E-05	-1.35445736E-04	6.26344824E-05
2		7.38020306E-05	-1.31371230E-04	6.14910297E-05
3		7.63282681E-05	-1.36362303E-04	6.44345810E-05
4		8.16442750E-05	-1.46344624E-04	6.97512082E-05
5		8.88996491E-05	-1.59860031E-04	7.60269839E-05
6		9.77300727E-05	-1.76299007E-04	8.54259404E-05
7		1.07964015E-04	-1.95391197E-04	9.54667352E-05
8		1.19515546E-04	-2.17019136E-04	1.06941007E-04
9		1.32337985E-04	-2.41137748E-04	1.19878265E-04
10		1.46400927E-04	-2.67734522E-04	1.34328724E-04
11		1.61677375E-04	-2.96807243E-04	1.50353882E-04
12		1.78135620E-04	-3.28349963E-04	1.68020730E-04
13		1.95733518E-04	-3.62343080E-04	1.87397749E-04
14		2.14414053E-04	-3.98745586E-04	2.08551818E-04
15		2.34101623E-04	-4.37488470E-04	2.31545568E-04
16		2.54698795E-04	-4.78468815E-04	2.56434949E-04
17		2.76083380E-04	-5.21544298E-04	2.83266876E-04
18		2.98105787E-04	-5.66528016E-04	3.12076860E-04
19		3.20586664E-04	-6.13183590E-04	3.42886608E-04
20		3.43314862E-04	-6.61220593E-04	3.75701545E-04
21		3.66045759E-04	-7.10290361E-04	4.10508284E-04
22		3.88500055E-04	-7.59982292E-04	4.47272012E-04
23		4.10363095E-04	-8.09820759E-04	4.85933845E-04
24		4.31284834E-04	-8.59262781E-04	5.26408147E-04
25		4.50880556E-04	-9.07696616E-04	5.68579856E-04
26		4.68732452E-04	-9.54441462E-04	6.12301858E-04
27		4.84392178E-04	-9.98748440E-04	6.57392435E-04
28		4.97384534E-04	-1.03980309E-03	7.03632871E-04
29		5.07212367E-04	-1.07672958E-03	7.50765235E-04



L R	4 0	4 1	4 2
EIGENVALUE	-7.13247952E+00	-7.39695712E+00	-7.70361270E+00
COEFFICIENT			
K			
0	1.94105338E-04	-1.25059956E-03	-5.16996741E-03
1	7.81920989E-03	1.80525035E-02	2.72255116E-02
2	-2.02537722E-02	-2.27674298E-02	-1.60579259E-02
3	1.77054041E-02	-2.63689081E-04	-9.78899547E-03
4	-5.82987938E-03	1.16857539E-02	1.34860905E-03
5	3.12796130E-04	-4.48350672E-03	8.66913095E-03
6	3.93130620E-05	4.00861060E-05	-3.16144728E-03
7	1.02106199E-05	9.62990808E-06	-1.19004829E-04
8	3.64493522E-06	4.18503193E-06	-2.28181118E-05
9	1.53502971E-06	2.22538679E-06	-5.76175324E-06
10	7.06708371E-07	1.26535311E-06	-1.40891577E-06
11	3.41524755E-07	7.34730592E-07	-1.72128761E-07
12	1.69368421E-07	4.28653704E-07	1.52732726E-07
13	8.50387578E-08	2.49780934E-07	1.98414480E-07
14	4.28450858E-08	1.45052174E-07	1.66325198E-07
15	2.15117984E-08	8.38789528E-08	1.21566812E-07
16	1.06922196E-08	4.82858075E-08	8.32329726E-08
17	5.21978158E-09	2.76664997E-08	5.48933967E-08
18	2.47456025E-09	1.57748573E-08	3.53495934E-08
19	1.11737169E-09	8.94729064E-09	2.23959117E-08
20	4.61869863E-10	5.04500158E-09	1.40239935E-08
21	1.56864651E-10	2.82519143E-09	8.70543461E-09
22	2.36609548E-11	1.56893081E-09	5.36788463E-09
23	-2.77663926E-11	8.62102111E-10	3.29243872E-09
24	-4.20738892E-11	4.67139597E-10	2.01073132E-09
25	-4.08972626E-11	2.48309053E-10	1.22346400E-09
26	-3.43407473E-11	1.28378339E-10	7.41981498E-10
27	-2.68422362E-11	6.35964627E-11	4.48560576E-10
28	-2.01353912E-11	2.93013281E-11	2.70294171E-10
29	-1.47217036E-11	1.16711078E-11	1.62291169E-10

L R	4 3	4 4	4 5
EIGENVALUE	-8.04416368E+00	-8.41145442E+00	-8.79949611E+00
COEFFICIENT			
K			
0	1.12532234E-02	-1.85584791E-02	-2.61372476E-02
1	-3.28289137E-02	3.45574391E-02	3.32051332E-02
2	6.35900836E-03	-2.34313642E-03	8.55150693E-03
3	1.02436374E-02	-6.26360142E-03	-1.32334223E-03
4	5.61948853E-03	-6.75306355E-03	-4.65853702E-03
5	-1.00562614E-03	-3.91247420E-03	-4.78890878E-03
6	-6.81789766E-03	4.96136796E-04	-3.03683042E-03
7	2.17215802E-03	5.51312615E-03	7.84251063E-05
8	1.74417964E-04	-1.47455845E-03	4.52753693E-03
9	4.17926929E-05	-1.74110043E-04	-9.90008331E-04
10	1.34310415E-05	-4.80207835E-05	-1.50138152E-04
11	4.85843049E-06	-1.73398894E-05	-4.61141191E-05
12	1.81679229E-06	-7.09661778E-06	-1.81374231E-05
13	6.54158712E-07	-3.08621685E-06	-8.05385145E-06
14	2.01150971E-07	-1.37322307E-06	-3.81506265E-06
15	3.04879275E-08	-6.07172261E-07	-1.86861115E-06
16	-2.64784859E-08	-2.58255904E-07	-9.27628910E-07
17	-3.89715319E-08	-1.00014430E-07	-4.59636574E-07
18	-3.56368331E-08	-3.03038661E-08	-2.23960351E-07
19	-2.80393485E-08	-1.59421584E-09	-1.05279201E-07
20	-2.05109815E-08	8.54079710E-09	-4.62215585E-08
21	-1.43838151E-08	1.06712716E-08	-1.75916742E-08
22	-9.81858269E-09	9.69601935E-09	-4.36040320E-09
23	-6.58074479E-09	7.80070745E-09	1.22802850E-09
24	-4.35411243E-09	5.88965664E-09	3.15298836E-09
25	-2.85421098E-09	4.27962591E-09	3.42655417E-09
26	-1.85835707E-09	3.03269439E-09	3.03981295E-09
27	-1.20399561E-09	2.11231774E-09	2.45983043E-09
28	-7.77263482E-10	1.45339363E-09	1.89006575E-09
29	-5.00509638E-10	9.91273330E-10	1.40568208E-09

L R	4 6	4 7	4 8
EIGENVALUE	-9.20356541E+00	-9.62024539E+00	-1.00472920E+01
COEFFICIENT			
K			
0	-3.32515707E-02	-3.93744070E-02	-4.41856007E-02
1	2.97654776E-02	2.50938606E-02	1.98720265E-02
2	1.21561314E-02	1.35788079E-02	1.33770182E-02
3	2.88590368E-03	5.79137473E-03	7.37145622E-03
4	-1.58099399E-03	1.25544909E-03	3.34370648E-03
5	-3.41366066E-03	-1.29682036E-03	7.02416255E-04
6	-3.58548442E-03	-2.53991355E-03	-9.78782825E-04
7	-2.50270063E-03	-2.78757283E-03	-1.92532672E-03
8	-2.29372011E-04	-2.13278878E-03	-2.22549729E-03
9	-3.75704476E-03	-4.46312584E-04	-1.85176772E-03
10	-6.53725553E-04	-3.14325332E-03	-5.91532517E-04
11	-1.19059602E-04	-4.20297287E-04	-2.64899549E-03
12	-3.99937385E-05	-8.85459776E-05	-2.59152362E-04
13	-1.68966495E-05	-3.22200483E-05	-6.18774925E-05
14	-8.01364316E-06	-1.45303818E-05	-2.43281823E-05
15	-4.05029432E-06	-7.31162361E-06	-1.17048133E-05
16	-2.12084590E-06	-3.90945815E-06	-6.24112852E-06
17	-1.13105887E-06	-2.16339925E-06	-3.52042943E-06
18	-6.07338492E-07	-1.21994641E-06	-2.04916212E-06
19	-3.25466414E-07	-6.94159745E-07	-1.21343364E-06
20	-1.72653011E-07	-3.95856351E-07	-7.24675804E-07
21	-8.98312878E-08	-2.25049846E-07	-4.34017875E-07
22	-4.52585704E-08	-1.26943625E-07	-2.59642878E-07
23	-2.16092024E-08	-7.06841688E-08	-1.54662972E-07
24	-9.35118673E-09	-3.86041615E-08	-9.14756968E-08
25	-3.22975995E-09	-2.04889548E-08	-5.35605117E-08
26	-3.56880649E-10	-1.04066122E-08	-3.09353384E-08
27	8.42222489E-10	-4.91071491E-09	-1.75409351E-08
28	1.21484250E-09	-2.00448604E-09	-9.69503969E-09
29	1.20766540E-09	-5.37644623E-10	-5.16306332E-09

L R	4 9	4 10	4 11
EIGENVALUE	-1.04833223E+01	-1.09274213E+01	-1.13788066E+01
COEFFICIENT			
K			
0	-4.76036558E-02	-4.97931075E-02	-5.11068701E-02
1	1.46290358E-02	9.73527344E-03	5.38973654E-03
2	1.20998049E-02	1.02238521E-02	8.11205383E-03
3	7.84897453E-03	7.53264698E-03	6.72283251E-03
4	4.58373912E-03	5.08409493E-03	5.03526396E-03
5	2.20565331E-03	3.12825671E-03	3.54019653E-03
6	4.85979581E-04	1.58806208E-03	2.27385631E-03
7	-7.21826579E-04	3.82941480E-04	1.20839488E-03
8	-1.48668028E-03	-5.32938140E-04	-3.19806260E-04
9	-1.81203767E-03	-1.16971279E-03	-3.99744447E-04
10	-1.62407885E-03	-1.49891773E-03	-9.38318530E-04
11	-6.79964163E-04	-1.43224815E-03	-1.25714367E-03
12	2.24876481E-03	-7.24044807E-04	-1.26755215E-03
13	-1.49298122E-04	1.92382174E-03	-7.35058288E-04
14	-4.01789229E-05	-7.56942966E-05	1.65942552E-03
15	-1.71783977E-05	-2.34389864E-05	-2.72783567E-05
16	-8.87202847E-06	-1.11702950E-05	-1.10470388E-05
17	-5.03231351E-06	-6.30496790E-06	-6.38693259E-06
18	-2.99884683E-06	-3.84684379E-06	-4.13016478E-06
19	-1.83477486E-06	-2.43659319E-06	-2.77943400E-06
20	-1.13793977E-06	-1.57103159E-06	-1.89579939E-06
21	-7.10123277E-07	-1.02067264E-06	-1.29645464E-06
22	-4.43847903E-07	-6.64457165E-07	-8.84618704E-07
23	-2.77017710E-07	-4.32046208E-07	-6.00914127E-07
24	-1.72269544E-07	-2.80040232E-07	-4.05936277E-07
25	-1.06554619E-07	-1.80704344E-07	-2.72559531E-07
26	-6.54467846E-08	-1.15971044E-07	-1.81844164E-07
27	-3.98472634E-08	-7.39596006E-08	-1.20528105E-07
28	-2.39990311E-08	-4.68305875E-08	-7.93497919E-08
29	-1.42587506E-08	-2.94119239E-08	-5.18757077E-08

L	4	4	4
R	12	13	14
EIGENVALUE	-1.18366379E+01	-1.22999549E+01	-1.27676639E+01
COEFFICIENT			
K			
0	-5.19929760E-02	-5.29250044E-02	5.43930099E-02
1	1.63328549E-03	-1.61320535E-03	4.50992448E-03
2	5.99697176E-03	3.99212971E-03	-2.11779112E-03
3	5.65754467E-03	4.49376386E-03	-3.31266877E-03
4	4.62924238E-03	4.01774504E-03	-3.29957940E-03
5	3.56896836E-03	3.34050917E-03	-2.95164167E-03
6	2.59689269E-03	2.64586196E-03	-2.50437448E-03
7	1.72640396E-03	1.97971785E-03	-2.03059341E-03
8	9.52379417E-04	1.35287869E-03	-1.55484408E-03
9	2.72341457E-04	7.68986035E-04	-1.08693653E-03
10	-3.07343126E-04	2.33418950E-04	-6.33334211E-04
11	-7.67367646E-04	-2.42727083E-04	-2.01823538E-04
12	-1.06769160E-03	-6.38788177E-04	1.95602522E-04
13	-1.12528710E-03	-9.17088867E-04	5.39316749E-04
14	-7.23253440E-04	-1.00238051E-03	7.95274908E-04
15	1.44340714E-03	-6.97460425E-04	8.96361117E-04
16	4.05010322E-06	1.26552000E-03	6.64906194E-04
17	-2.14653395E-06	2.40867572E-05	-1.11707845E-03
18	-2.71792951E-06	4.13433827E-06	-3.68867294E-05
19	-2.36780134E-06	3.88008854E-08	-8.56665242E-06
20	-1.86869378E-06	-9.73806171E-07	-2.10983240E-06
21	-1.40957094E-06	-1.11398151E-06	-1.27008560E-07
22	-1.03498422E-06	-9.88025877E-07	4.91330260E-07
23	-7.45801516E-07	-7.97463167E-07	6.25679124E-07
24	-5.29697689E-07	-6.12996471E-07	5.84803928E-07
25	-3.71755933E-07	-4.57147362E-07	4.88364013E-07
26	-2.58240298E-07	-3.33789103E-07	3.85944175E-07
27	-1.77748039E-07	-2.39838031E-07	2.94185070E-07
28	-1.21318789E-07	-1.70113323E-07	2.18915865E-07
29	-8.21511521E-08	-1.19343960E-07	1.59996416E-07

L	4	4	4
R	15	16	17
EIGENVALUE	-1.32384827E+01	-1.37107404E+01	-1.41818182E+01
COEFFICIENT			
K			
0	5.69663437E-02	6.14462834E-02	6.91620021E-02
1	7.28117849E-03	1.02365864E-02	1.38506392E-02
2	-3.22935190E-04	1.51111284E-03	3.59940215E-03
3	-2.13249561E-03	-9.14826047E-04	4.48200125E-04
4	-2.52289077E-03	-1.68858073E-03	-7.42835069E-04
5	-2.46213583E-03	-1.89349993E-03	-1.22275917E-03
6	-2.23344166E-03	-1.86493359E-03	-1.39456079E-03
7	-1.93410232E-03	-1.72583312E-03	-1.41291975E-03
8	-1.60140508E-03	-1.52677883E-03	-1.34450860E-03
9	-1.25142155E-03	-1.29070772E-03	-1.22074867E-03
10	-8.92816271E-04	-1.02939791E-03	-1.05775243E-03
11	-5.32492113E-04	-7.50318445E-04	-8.64764731E-04
12	-1.78464308E-04	-4.59901709E-04	-6.48138187E-04
13	1.57903761E-04	-1.65527683E-04	-4.13488099E-04
14	4.58898955E-04	1.22667515E-04	-1.67180157E-04
15	6.94384185E-04	3.89174034E-04	8.21696996E-05
16	8.05010673E-04	6.07713943E-04	3.21426730E-04
17	6.31474633E-04	7.26210212E-04	5.28199836E-04
18	-9.90551334E-04	6.02408504E-04	6.57506893E-04
19	-4.52748055E-05	-8.78860048E-04	5.83506303E-04
20	-1.17943237E-05	-5.12773775E-05	-7.73934671E-04
21	-3.71541158E-06	-1.43633801E-05	-5.64407135E-05
22	-1.02241046E-06	-5.06777176E-06	-1.67776204E-05
23	-3.63615661E-08	-1.80878775E-06	-6.39007031E-06
24	3.06788693E-07	-5.16579771E-07	-2.60021077E-06
25	3.90636585E-07	6.84886838E-09	-1.01259019E-06
26	3.71139805E-07	2.01949368E-07	-3.11082018E-07
27	3.15545034E-07	2.52778311E-07	-3.59560335E-09
28	2.53076218E-07	2.42071842E-07	1.19926797E-07
29	1.95754850E-07	2.08260877E-07	1.56767449E-07

L	R	4	4	4
		18	19	20
EIGENVALUE		-1.46466243E+01	-1.50938389E+01	-1.55049832E+01
COEFFICIENT				
K				
0		8.23996729E-02	1.03454697E-01	-1.22790650E-01
1		1.89093038E-02	2.63274780E-02	-3.37908849E-02
2		6.32565023E-03	1.02006177E-02	-1.43864668E-02
3		2.17784369E-03	4.61131871E-03	-7.41330102E-03
4		4.53391746E-04	2.14506563E-03	-4.21468981E-03
5		-3.58505641E-04	8.67388633E-04	-2.50662633E-03
6		-7.61571152E-04	1.83572822E-04	-1.49250889E-03
7		-9.55590586E-04	-2.32776848E-04	-8.41831693E-04
8		-1.02970794E-03	-4.83662885E-04	-4.00188526E-04
9		-1.02724806E-03	-6.29880003E-04	-8.90846961E-05
10		-9.70746493E-04	-7.03644538E-04	1.33837477E-04
11		-8.72720411E-04	-7.22827580E-04	2.92333593E-04
12		-7.40752707E-04	-6.97720226E-04	3.99952636E-04
13		-5.80133744E-04	-6.34504096E-04	4.64336547E-04
14		-3.95431863E-04	-5.37182145E-04	4.89551459E-04
15		-1.91667426E-04	-4.08781977E-04	4.77418992E-04
16		2.44454650E-05	-2.52266143E-04	4.28319757E-04
17		2.42589874E-04	-7.14711594E-05	3.41718851E-04
18		4.44829202E-04	1.27490198E-04	2.16567761E-04
19		5.94150396E-04	3.33295721E-04	5.17250200E-05
20		5.82886602E-04	5.20880771E-04	-1.53337798E-04
21		-6.63348848E-04	6.10839826E-04	-3.96563937E-04
22		-6.18265621E-05	-5.24180475E-04	-6.62953000E-04
23		-1.95116354E-05	-6.63779926E-05	3.38199391E-04
24		-7.93191875E-06	-2.25278823E-05	6.14705000E-05
25		-3.54222114E-06	-9.78491515E-06	2.29785073E-05
26		-1.61482423E-06	-4.73462986E-06	1.07570924E-05
27		-7.05505563E-07	-2.40879174E-06	5.62185384E-06
28		-2.64845818E-07	-1.24483070E-06	3.12387183E-06
29		-5.36548131E-08	-6.34927631E-07	1.79730788E-06

L	R	4	4	4
		21	22	23
EIGENVALUE		-1.58920731E+01	-1.63096971E+01	-1.67651197E+01
COEFFICIENT				
K				
0		1.09586686E-01	-7.37880793E-02	-4.69660876E-02
1		3.21058198E-02	-2.29135141E-02	-1.54050885E-02
2		1.46245802E-02	-1.10579016E-02	-7.82022124E-03
3		8.16563253E-03	-6.56768364E-03	-4.88284588E-03
4		5.12027260E-03	-4.40166373E-03	-3.43861186E-03
5		3.44466898E-03	-3.18218793E-03	-2.61102204E-03
6		2.41446199E-03	-2.41354232E-03	-2.08009453E-03
7		1.72435570E-03	-1.88369673E-03	-1.70703934E-03
8		1.22940379E-03	-1.49044573E-03	-1.42398140E-03
9		8.54677788E-04	-1.18009451E-03	-1.19469643E-03
10		5.59056699E-04	-9.22657705E-04	-9.98592854E-04
11		3.19125752E-04	-7.00742686E-04	-8.23477906E-04
12		1.21416338E-04	-5.04157086E-04	-6.62026671E-04
13		-4.15763032E-05	-3.27131288E-04	-5.09955484E-04
14		-1.73532559E-04	-1.66829628E-04	-3.65041510E-04
15		-2.75483942E-04	-2.25456783E-05	-2.26594891E-04
16		-3.46441437E-04	1.04704019E-04	-9.51962161E-05
17		-3.83670115E-04	2.12316743E-04	2.73866733E-05
18		-3.82671299E-04	2.96004822E-04	1.38129031E-04
19		-3.36805927E-04	3.49404107E-04	2.32502314E-04
20		-2.36241843E-04	3.63171610E-04	3.03950566E-04
21		-6.50716541E-05	3.22912870E-04	3.42820693E-04
22		2.08817119E-04	2.03622336E-04	3.33970268E-04
23		7.00499683E-04	-5.08769295E-05	2.50303311E-04
24		-1.69712962E-04	-6.89080580E-04	2.80819939E-05
25		-4.15660644E-05	8.03541127E-05	-6.47643679E-04
26		-1.72799917E-05	2.33529520E-05	4.29729711E-05
27		-8.76717881E-06	1.06120985E-05	1.38086815E-05
28		-4.94039252E-06	5.80250172E-06	6.74301282E-06
29		-2.96208667E-06	3.50514542E-06	3.93313973E-06

L R	4 24	4 25	4 26
EIGENVALUE	-1.72403375E+01	-1.77251797E+01	-1.82152890E+01
COEFFICIENT			
K	-3.13306341E-02	2.20420103E-02	-1.61729725E-02
0	-1.07970447E-02	7.93690927E-03	-6.05492759E-03
1	-5.72202904E-03	4.36234702E-03	-3.43304247E-03
2	-3.71866243E-03	2.92830587E-03	-2.36681142E-03
3	-2.71862237E-03	2.20402234E-03	-1.82347032E-03
4	-2.13824576E-03	1.78003902E-03	-1.50367965E-03
5	-1.76161633E-03	1.50307138E-03	-1.29417810E-03
6	-1.49388557E-03	1.30501654E-03	-1.14413478E-03
7	-1.28805245E-03	1.15172629E-03	-1.02779274E-03
8	-1.11866389E-03	1.02446130E-03	-9.30848185E-04
9	-9.71002509E-04	9.12213493E-04	-8.44776536E-04
10	-8.36170531E-04	8.08194192E-04	-7.64223120E-04
11	-7.08676583E-04	7.08101541E-04	-6.85710036E-04
12	-5.85181981E-04	6.09216830E-04	-6.06959321E-04
13	-4.63825899E-04	5.09916605E-04	-5.26526489E-04
14	-3.43861342E-04	4.09408503E-04	-4.43601386E-04
15	-2.25473045E-04	3.07597521E-04	-3.57906175E-04
16	-1.09716460E-04	2.05037481E-04	-2.69655686E-04
17	1.44461349E-06	1.02948775E-04	-1.79564292E-04
18	1.04994948E-04	3.30165343E-06	-8.88956886E-05
19	1.96576962E-04	-9.10171858E-05	4.37427427E-07
20	2.69942578E-04	-1.75907850E-04	8.57026547E-05
21	3.15872363E-04	-2.45522118E-04	1.63059591E-04
22	3.19776636E-04	-2.91223876E-04	2.27050610E-04
23	5.5179152E-04	-2.99289369E-04	2.69619315E-04
24	8.4173107E-05	-2.44643459E-04	2.77943515E-04
25	0.03433127E-04	-6.63419345E-05	2.28527251E-04
26	7.0001177E-05	5.63428272E-04	6.39945067E-05
27	2.9824930E-06	-1.97483427E-05	-5.28039251E-04
28	4.80951279E-06	-7.12156898E-06	1.65197194E-05

L R	4 27	4 28	4 29
EIGENVALUE	-1.87086577E+01	-1.92042460E+01	-1.97014555E+01
COEFFICIENT			
K	-1.22516973E-02	-9.51254241E-03	7.53099468E-03
0	-4.74880041E-03	-3.80339788E-03	3.09644100E-03
1	-2.76565496E-03	-2.26743183E-03	1.88432428E-03
2	-1.94990837E-03	-1.62951424E-03	1.37680070E-03
3	-1.53143294E-03	-1.30067936E-03	1.11430762E-03
4	-1.28442462E-03	-1.10642155E-03	9.59373183E-04
5	-1.12262515E-03	-9.79502910E-04	8.58615821E-04
6	-1.00697316E-03	-8.89230224E-04	7.87492091E-04
7	-9.17489672E-04	-8.19773491E-04	7.33249636E-04
8	-8.42960761E-04	-7.62162693E-04	6.88600962E-04
9	-7.76615669E-04	-7.10918184E-04	6.49047503E-04
10	-7.14129524E-04	-6.62486553E-04	6.11632387E-04
11	-6.52629507E-04	-6.14459393E-04	5.74315263E-04
12	-5.90172983E-04	-5.65161813E-04	5.35642063E-04
13	-5.25464233E-04	-5.13428565E-04	4.94564900E-04
14	-4.57700026E-04	-4.58481674E-04	4.50343397E-04
15	-3.86489759E-04	-3.99856703E-04	4.02493011E-04
16	-3.11822779E-04	-3.37425687E-04	3.50762515E-04
17	-2.34069676E-04	-2.71295574E-04	2.95131431E-04
18	-1.54013037E-04	-2.01928768E-04	2.35823142E-04
19	-7.29098558E-05	-1.30132285E-04	1.73332766E-04
20	7.40461807E-06	-5.71358906E-05	1.08471694E-04
21	8.43500409E-05	1.53061405E-05	4.24340929E-05
22	1.54326505E-04	8.47551850E-05	-2.31041669E-05
23	1.12235248E-04	1.47829447E-04	-8.58342964E-05
24	5.0559228E-04	1.99755176E-04	-1.42571707E-04
25	5.7336663E-04	2.33508700E-04	-1.88836926E-04
26	1.0637244E-04	2.37928570E-04	-2.18056585E-04
27	6.8498995E-05	1.92574594E-04	-2.19808386E-04
28	4.96589671E-04	4.75437329E-05	-1.75049307E-04

K	4		
	30	31	32
0	EIGENVALUE -2.01999106E+01	-2.06993592E+01	-2.11996219E+01
1	Coefficient -6.05703090E-03	4.93561620E-03	4.06640194E-03
2	-2.55413549E-03	2.12958788E-03	1.79168740E-03
3	-1.58293314E-03	1.34153367E-03	1.14537620E-03
4	-1.17348359E-03	1.00736948E-03	8.69977537E-04
5	-9.61270106E-04	8.33991093E-04	7.27061231E-04
6	-8.36295102E-04	7.32238022E-04	6.43560556E-04
7	-7.55543917E-04	6.67020300E-04	5.90551279E-04
8	-6.99111840E-04	6.22006061E-04	5.54500863E-04
9	-6.56588262E-04	5.88603013E-04	5.28252377E-04
10	-6.21979011E-04	5.61830841E-04	5.07632947E-04
11	-5.91549352E-04	5.38560859E-04	4.90002026E-04
12	-5.62814792E-04	5.16689472E-04	4.73567479E-04
13	-5.34033517E-04	4.94721121E-04	4.57039405E-04
14	-5.03937493E-04	4.71546682E-04	4.39445655E-04
15	-4.71585459E-04	4.46322000E-04	4.20030406E-04
16	-4.36292199E-04	4.18401009E-04	3.98198148E-04
17	-3.97536068E-04	3.87300391E-04	3.73483959E-04
18	-3.55040136E-04	3.52683659E-04	3.45539926E-04
19	-3.08692088E-04	3.14358122E-04	3.14132221E-04
20	-2.58488887E-04	2.72281368E-04	2.79145887E-04
21	-2.04775360E-04	2.26575815E-04	2.40595716E-04
22	-1.48046529E-04	1.77551312E-04	1.98643520E-04
23	-8.91071809E-05	1.25737117E-04	1.53621306E-04
24	-2.91136443E-05	7.19261725E-05	1.06063021E-04
25	3.03320184E-05	1.72370286E-05	5.67471633E-05
26	8.70396091E-05	-3.67970891E-05	6.75558210E-06
27	1.38003493E-04	-8.80946226E-05	-4.24426451E-05
28	1.79011847E-04	-1.33813315E-04	-8.88660258E-05
29	2.03903464E-04	-1.69986246E-04	-1.29822471E-04
30	2.02938370E-04	-1.90831156E-04	-1.61570556E-04

K	4		
	33	34	35
0	EIGENVALUE -2.17005655E+01	-2.22020878E+01	-2.27041079E+01
1	Coefficient 3.38207240E-03	2.83609635E-03	2.39548227E-03
2	1.51904284E-03	1.29650127E-03	1.11305703E-03
3	9.84085760E-04	8.50147958E-04	7.37986416E-04
4	7.55201780E-04	6.58520106E-04	5.76504897E-04
5	6.36488365E-04	5.59246545E-04	4.92992135E-04
6	5.67500510E-04	5.01910942E-04	4.45090490E-04
7	5.24182587E-04	4.66350626E-04	4.15784003E-04
8	4.95226804E-04	4.43047361E-04	3.97008935E-04
9	4.74624869E-04	4.26922682E-04	3.84446955E-04
10	4.58855359E-04	4.14986488E-04	3.75545313E-04
11	4.45675695E-04	4.05323912E-04	3.68661270E-04
12	4.33551243E-04	3.96615103E-04	3.62655420E-04
13	4.21365462E-04	3.87890687E-04	3.56684021E-04
14	4.08264963E-04	3.78400654E-04	3.50087284E-04
15	3.93574061E-04	3.67541792E-04	3.42327336E-04
16	3.76747412E-04	3.54817305E-04	3.32953525E-04
17	3.57344474E-04	3.39815131E-04	3.21583663E-04
18	3.35019162E-04	3.22197778E-04	3.07895102E-04
19	3.09514387E-04	3.01699691E-04	2.91622228E-04
20	2.80668290E-04	2.78129923E-04	2.72558459E-04
21	2.48421467E-04	2.51378907E-04	2.50561657E-04
22	2.12830331E-04	2.21428789E-04	2.25562428E-04
23	1.74084916E-04	1.88367294E-04	1.97575150E-04
24	1.32532236E-04	1.52405535E-04	1.66711916E-04
25	8.87068633E-05	1.13900734E-04	1.33199929E-04
26	4.33715869E-05	7.33854831E-05	9.74033035E-05
27	-2.42702709E-06	3.16062801E-05	5.98508851E-05
28	-4.72798661E-05	-1.04241525E-05	2.12726268E-05
29	-8.92981883E-05	-5.13530269E-05	-1.73512550E-05
30	-1.25928852E-04	-8.93781194E-05	-5.47211644E-05

L	R	4	4	4
		36	37	38
EIGENVALUE		-2. 32065603E+01	-2. 37093911E+01	-2. 42125554E+01
COEFFICIENT				
K				
0		2. 03632481E-03	1. 74097435E-03	-1. 49618509E-03
1		9. 60545665E-04	8. 32799923E-04	-7. 25087973E-04
2		6. 43377931E-04	5. 63068722E-04	-4. 94514945E-04
3		5. 06507897E-04	4. 46450103E-04	-3. 94677327E-04
4		4. 35877805E-04	3. 86426276E-04	-3. 43441947E-04
5		3. 95669864E-04	3. 52533168E-04	-3. 14761641E-04
6		3. 71435786E-04	3. 32435205E-04	-2. 98052158E-04
7		3. 56304708E-04	3. 20247645E-04	-2. 88249725E-04
8		3. 46585039E-04	3. 12799524E-04	-2. 82618739E-04
9		3. 40086886E-04	3. 08204087E-04	-2. 79527239E-04
10		3. 35395092E-04	3. 05237684E-04	-2. 77913590E-04
11		3. 31522773E-04	3. 03043002E-04	-2. 77031045E-04
12		3. 27733901E-04	3. 00976706E-04	-2. 76316275E-04
13		3. 23447575E-04	2. 98526964E-04	-2. 75317981E-04
14		3. 18184655E-04	2. 95267292E-04	-2. 73656787E-04
15		3. 11537758E-04	2. 90830465E-04	-2. 71002429E-04
16		3. 03154917E-04	2. 84894177E-04	-2. 67061113E-04
17		2. 92731665E-04	2. 77173976E-04	-2. 61569157E-04
18		2. 80008646E-04	2. 67420961E-04	-2. 54290774E-04
19		2. 64773073E-04	2. 55422814E-04	-2. 45018745E-04
20		2. 46863087E-04	2. 41007308E-04	-2. 33577231E-04
21		2. 26174495E-04	2. 24047820E-04	-1. 9826315E-04
22		2. 02669697E-04	2. 04470650E-04	-2. 03668034E-04
23		1. 76388831E-04	1. 82264069E-04	-1. 85053838E-04
24		1. 47463428E-04	1. 57489284E-04	-1. 63993521E-04
25		1. 16133165E-04	1. 30293611E-04	-1. 40565815E-04
26		8. 27666325E-05	1. 00926468E-04	-1. 14931002E-04
27		4. 78876546E-05	6. 97590670E-05	-8. 73460955E-05
28		1. 22095418E-05	3. 73092385E-05	-5. 81834446E-05
29		-2. 33188086E-05	4. 27361740E-06	-2. 79541041E-05

L	R	4	4	4
		39	40	41
EIGENVALUE		-2. 47160149E+01	-2. 52197371E+01	-2. 57236940E+01
COEFFICIENT				
K				
0		-1. 29187235E-03	1. 12025986E-03	9. 75282957E-04
1		-6. 33729795E-04	5. 55829158E-04	4. 89082660E-04
2		-4. 35702610E-04	3. 85019702E-04	3. 41163563E-04
3		-3. 49858287E-04	3. 10910909E-04	2. 76948324E-04
4		-3. 05947389E-04	2. 73136645E-04	2. 44340228E-04
5		-2. 81592374E-04	2. 52387312E-04	2. 26609536E-04
6		-2. 67670431E-04	2. 40767053E-04	2. 16896107E-04
7		-2. 59805598E-04	2. 34479470E-04	2. 11894430E-04
8		-2. 55628497E-04	2. 31464900E-04	2. 09808048E-04
9		-2. 53722496E-04	2. 30489575E-04	2. 09559177E-04
10		-2. 53163675E-04	2. 30747142E-04	2. 10442214E-04
11		-2. 53300003E-04	2. 31666979E-04	2. 11956732E-04
12		-2. 53637386E-04	2. 32815052E-04	2. 13720896E-04
13		-2. 53777624E-04	2. 33839768E-04	2. 15424053E-04
14		-2. 53383399E-04	2. 34441301E-04	2. 16799760E-04
15		-2. 52158253E-04	2. 34353952E-04	2. 17610182E-04
16		-2. 49835378E-04	2. 33336161E-04	2. 17637171E-04
17		-2. 46171870E-04	2. 31165294E-04	2. 16677516E-04
18		-2. 40946587E-04	2. 27635573E-04	2. 14540942E-04
19		-2. 33960523E-04	2. 22558207E-04	2. 11050049E-04
20		-2. 25039057E-04	1. 5763160E-04	2. 06041675E-04
21		-2. 14035680E-04	2. 07102223E-04	1. 99369411E-04
22		-2. 00837012E-04	1. 96453177E-04	1. 90907076E-04
23		-1. 85368990E-04	1. 83724971E-04	1. 80553047E-04
24		-1. 67604245E-04	1. 68863870E-04	1. 68235421E-04
25		-1. 47570763E-04	1. 51860620E-04	1. 53918007E-04
26		-1. 25362036E-04	1. 32758767E-04	1. 37607229E-04
27		-1. 01149058E-04	1. 11664330E-04	1. 19360051E-04
28		-7. 51946877E-05	8. 87571596E-05	9. 92931619E-05
29		-4. 78711890E-05	6. 43044988E-05	7. 75937080E-05

L R	4 42	4 43	4 44
EIGENVALUE	-2.62278614E+01	-2.67322184E+01	-2.72367470E+01
COEFFICIENT			
K			
0	-8.52163457E-04	7.47102143E-04	-6.57053118E-04
1	-4.31641221E-04	3.82008083E-04	-3.38962638E-04
2	-3.03072619E-04	2.69875288E-04	-2.40851237E-04
3	-2.47238055E-04	2.21171239E-04	-1.98238828E-04
4	-2.18998426E-04	1.96640675E-04	-1.76869416E-04
5	-2.03804833E-04	1.83587182E-04	-1.65627206E-04
6	-1.95675828E-04	1.76778236E-04	-1.59920704E-04
7	-1.91723664E-04	1.73683176E-04	-1.57525710E-04
8	-1.90376559E-04	1.72922789E-04	-1.57228680E-04
9	-1.90690320E-04	1.73667723E-04	-1.58299324E-04
10	-1.92045990E-04	1.75373774E-04	-1.60258122E-04
11	-1.94003832E-04	1.77653815E-04	-1.62763662E-04
12	-1.96227470E-04	1.80211125E-04	-1.65553870E-04
13	-1.98442233E-04	1.82802681E-04	-1.68413576E-04
14	-2.00411370E-04	1.85218119E-04	-1.71155852E-04
15	-2.01922206E-04	1.87267417E-04	-1.73611027E-04
16	-2.02778147E-04	1.88773715E-04	-1.75620225E-04
17	-2.02794343E-04	1.89569343E-04	-1.77031720E-04
18	-2.01795762E-04	1.89493972E-04	-1.77699170E-04
19	-1.99616964E-04	1.88394259E-04	-1.77481156E-04
20	-1.96103133E-04	1.86124607E-04	-1.76241723E-04
21	-1.91112131E-04	1.82548816E-04	-1.73851690E-04
22	-1.84517374E-04	1.77542477E-04	-1.70190630E-04
23	-1.76211481E-04	1.70996028E-04	-1.65149435E-04
24	-1.66110616E-04	1.62818424E-04	-1.58633412E-04
25	-1.54159532E-04	1.52941405E-04	-1.50565911E-04
26	-1.40337359E-04	1.41324376E-04	-1.40892458E-04
27	-1.24664190E-04	1.2959947E-04	-1.29585449E-04
28	-1.07208625E-04	1.12880206E-04	-1.16649426E-04
29	-8.80964481E-05	9.61638606E-05	-1.02127033E-04

L R	4 45	4 46	4 47
EIGENVALUE	-2.77414321E+01	-2.82462617E+01	-2.87512285E+01
COEFFICIENT			
K			
0	-5.79556256E-04	-5.12611550E-04	-4.54584432E-04
1	-3.01502912E-04	-2.68801750E-04	-2.40173396E-04
2	-2.15401689E-04	-1.93026507E-04	-1.73306549E-04
3	-1.78013108E-04	-1.60133260E-04	-1.44294153E-04
4	-1.59347378E-04	-1.43787507E-04	-1.29945109E-04
5	-1.49642924E-04	-1.35392352E-04	-1.22667683E-04
6	-1.44859102E-04	-1.31382219E-04	-1.19307371E-04
7	-1.43035696E-04	-1.30025078E-04	-1.18329999E-04
8	-1.43102194E-04	-1.30374289E-04	-1.18896528E-04
9	-1.44414019E-04	-1.31859666E-04	-1.20501501E-04
10	-1.46547781E-04	-1.34106642E-04	-1.22812922E-04
11	-1.49201876E-04	-1.36848353E-04	-1.25594291E-04
12	-1.52144551E-04	-1.39879611E-04	-1.28663734E-04
13	-1.55185161E-04	-1.43031386E-04	-1.31871275E-04
14	-1.58157585E-04	-1.46156019E-04	-1.35085637E-04
15	-1.60910402E-04	-1.49118431E-04	-1.38186351E-04
16	-1.63301061E-04	-1.51790847E-04	-1.41058980E-04
17	-1.65192540E-04	-1.54049732E-04	-1.43592308E-04
18	-1.66451657E-04	-1.55774181E-04	-1.45676806E-04
19	-1.66948538E-04	-1.56845337E-04	-1.47204015E-04
20	-1.66556960E-04	-1.57146576E-04	-1.48066613E-04
21	-1.65155395E-04	-1.56564320E-04	-1.48159020E-04
22	-1.62628629E-04	-1.54989355E-04	-1.47378477E-04
23	-1.58869907E-04	-1.52318620E-04	-1.45626525E-04
24	-1.53783556E-04	-1.48457420E-04	-1.42810864E-04
25	-1.47288053E-04	-1.43322035E-04	-1.39847576E-04
26	-1.39319580E-04	-1.36842729E-04	-1.33663688E-04
27	-1.29835907E-04	-1.28967162E-04	-1.27200096E-04
28	-1.18821073E-04	-1.19664204E-04	-1.19414833E-04
29	-1.06290203E-04	-1.08928205E-04	-1.10286719E-04



L R	4 48	4 49	4 50
EIGENVALUE	-2.92563326E+01	-2.97615899E+01	-3.02670564E+01
Coefficient			
0	-4.04134981E-04	-3.60167930E-04	3.21807454E-04
1	-2.15048440E-04	-1.92956755E-04	1.73521532E-04
2	-1.55890460E-04	-1.40486089E-04	1.26859178E-04
3	-1.30237992E-04	-1.17749224E-04	1.06655111E-04
4	-1.17612037E-04	-1.06613438E-04	9.68093820E-05
5	-1.11291042E-04	-1.01112400E-04	9.20119344E-05
6	-1.08477249E-04	-9.87586769E-05	9.00455787E-05
7	-1.07808516E-04	-9.83400352E-05	8.98288348E-05
8	-1.08539513E-04	-9.91929157E-05	9.07695548E-05
9	-1.10221235E-04	-1.00917639E-04	9.25111810E-05
10	-1.12558875E-04	-1.03251939E-04	9.48199248E-05
11	-1.15342527E-04	-1.06009214E-04	9.75296146E-05
12	-1.18410788E-04	-1.09046055E-04	1.00512647E-04
13	-1.21630488E-04	-1.12244118E-04	1.03663745E-04
14	-1.24894863E-04	-1.15499538E-04	1.06890438E-04
15	-1.28066549E-04	-1.18716526E-04	1.10107294E-04
16	-1.31073064E-04	-1.21803455E-04	1.13232351E-04
17	-1.33804416E-04	-1.24670470E-04	1.16184923E-04
18	-1.36161557E-04	-1.27228126E-04	1.18884319E-04
19	-1.38045760E-04	-1.29386737E-04	1.21249185E-04
20	-1.39358588E-04	-1.31056260E-04	1.23197329E-04
21	-1.40002338E-04	-1.32146613E-04	1.24645932E-04
22	-1.39880903E-04	-1.32568350E-04	1.25512070E-04
23	-1.38900997E-04	-1.32233671E-04	1.25713539E-04
24	-1.36973712E-04	-1.31057726E-04	1.25169940E-04
25	-1.34016406E-04	-1.28960205E-04	1.23804022E-04
26	-1.29954888E-04	-1.25867209E-04	1.21543276E-04
27	-1.24725924E-04	-1.21713396E-04	1.18321775E-04
28	-1.18280048E-04	-1.16444399E-04	1.14082255E-04
29	-1.10584695E-04	-1.10019528E-04	1.08778451E-04

L R	4 51	4 52	4 53
EIGENVALUE	-3.07729080E+01	-3.12797678E+01	-3.17906911E+01
Coefficient			
0	2.88424235E-04	-2.59860932E-04	2.37999633E-04
1	1.56480314E-04	-1.41814353E-04	1.30619945E-04
2	1.14851375E-04	-1.04478211E-04	9.65783424E-05
3	9.68423711E-05	-8.83415615E-05	8.18805728E-05
4	8.81109610E-05	-8.05583082E-05	7.48286239E-05
5	8.39160867E-05	-7.68728390E-05	7.15391900E-05
6	8.22753139E-05	-7.55033134E-05	7.03842476E-05
7	8.22209086E-05	-7.55793051E-05	7.05680064E-05
8	8.32229118E-05	-7.66241065E-05	7.16546385E-05
9	8.49623520E-05	-7.83509577E-05	7.33821532E-05
10	8.72302864E-05	-8.05722293E-05	7.55793511E-05
11	8.98783892E-05	-8.31549235E-05	7.81250894E-05
12	9.27928903E-05	-8.59971736E-05	8.09267420E-05
13	9.58799778E-05	-8.90150589E-05	8.39080956E-05
14	9.90572218E-05	-9.21348383E-05	8.70022032E-05
15	1.02248352E-04	-9.52882044E-05	9.01470007E-05
16	1.05380011E-04	-9.84093125E-05	9.32825465E-05
17	1.08379733E-04	-1.01432913E-04	9.63492692E-05
18	1.11174732E-04	-1.04293207E-04	9.92868750E-05
19	1.13691259E-04	-1.06923213E-04	1.02033717E-04
20	1.15854371E-04	-1.09254507E-04	1.04526505E-04
21	1.17588059E-04	-1.11217265E-04	1.06700294E-04
22	1.18815645E-04	-1.12740568E-04	1.08488699E-04
23	1.19460444E-04	-1.13752930E-04	1.09824323E-04
24	1.19446670E-04	-1.14183047E-04	1.10639376E-04
25	1.18700565E-04	-1.13960745E-04	1.10866487E-04
26	1.17151752E-04	-1.13018137E-04	1.10439693E-04
27	1.14734818E-04	-1.11290976E-04	1.09295618E-04
28	1.11391105E-04	-1.08720206E-04	1.07374832E-04
29	1.07070730E-04	-1.05253718E-04	1.04623391E-04

LR	4 54	4 55	4 56
EIGENVALUE	-3.23575658E+01	-3.52440446E+01	-4.43558367E+01
COEFFICIENT			
1	2.86940057E-04	-3.74171853E-04	1.29939848E-04
2	1.58423116E-04	-2.12097278E-04	7.77855801E-05
3	1.17581923E-04	-1.60071056E-04	6.07571531E-05
4	9.99695032E-05	-1.37790341E-04	5.36469815E-05
5	9.15689113E-05	-1.27485452E-04	5.06699042E-05
6	8.77168689E-05	-1.23187774E-04	4.98448880E-05
7	8.64557733E-05	-1.22377877E-04	5.03279166E-05
8	8.68281419E-05	-1.23820983E-04	5.17055907E-05
9	8.83096477E-05	-1.26842118E-04	5.37548507E-05
10	9.05853767E-05	-1.31038359E-04	5.63464167E-05
11	9.34498804E-05	-1.36149638E-04	5.94009836E-05
12	9.67580939E-05	-1.41994973E-04	6.28674005E-05
13	1.00399349E-04	-1.48438527E-04	6.67109428E-05
14	1.04282747E-04	-1.55370356E-04	7.09065893E-05
15	1.08328501E-04	-1.62694910E-04	7.54349398E-05
16	1.12462603E-04	-1.70323829E-04	8.02796007E-05
17	1.16613451E-04	-1.78171269E-04	8.54254231E-05
18	1.20709678E-04	-1.86150776E-04	9.08572560E-05
19	1.24678779E-04	-1.94173161E-04	9.65590217E-05
20	1.28446286E-04	-2.02145065E-04	1.02513000E-04
21	1.31935355E-04	-2.09968018E-04	1.08699256E-04
22	1.35066674E-04	-2.17537886E-04	1.15095160E-04
23	1.37758648E-04	-2.24744646E-04	1.21674992E-04
24	1.39927836E-04	-2.31472442E-04	1.28409601E-04
25	1.41489612E-04	-2.37599917E-04	1.35266114E-04
26	1.42359057E-04	-2.43000801E-04	1.42207695E-04
27	1.42452071E-04	-2.47544772E-04	1.49193358E-04
28	1.41686699E-04	-2.51098573E-04	1.56177819E-04
29	1.39984688E-04	-2.53527415E-04	1.63111410E-04
	1.37273260E-04	-2.54696656E-04	1.69940049E-04

LR	5 0	5 1	5 2
EIGENVALUE	-1.05101310E+01	-1.07229335E+01	-1.09699846E+01
COEFFICIENT			
1	-1.02458275E-05	-3.64347040E-05	-3.70348734E-05
2	-2.54904634E-05	-1.04565963E-04	-1.30203632E-04
3	-1.37741646E-04	-8.16167752E-04	-2.20884967E-03
4	1.68676297E-03	3.70191940E-03	5.11923384E-03
5	-3.59304467E-03	-3.69134412E-03	-1.75388115E-03
6	3.15585728E-03	-3.01053943E-04	-2.02333975E-03
7	-1.20609409E-03	2.15666309E-03	4.41046164E-05
8	1.35000343E-04	-9.50943833E-04	1.64282972E-03
9	8.26350040E-06	6.45708730E-05	-6.68381871E-04
10	1.53977125E-06	7.34311066E-06	9.96242632E-06
11	4.35755166E-07	1.74262219E-06	1.62416342E-06
12	1.55444314E-07	5.82746774E-07	4.90449470E-07
13	6.35734675E-08	2.39953686E-07	2.12958748E-07
14	2.81091013E-08	1.12623090E-07	1.14946804E-07
15	1.29198868E-08	5.72621326E-08	6.92564220E-08
16	5.99865317E-09	3.04999556E-08	4.37183884E-08
17	2.74303232E-09	1.66559000E-08	2.80205772E-08
18	1.19815322E-09	9.19703245E-09	1.79755592E-08
19	4.73518321E-10	5.08723830E-09	1.14699299E-08
20	1.45301096E-10	2.79933394E-09	7.26054744E-09
21	6.98110722E-12	1.52308170E-09	4.55464791E-09
22	-4.28199733E-11	8.14038360E-10	2.83035904E-09
23	-5.35319634E-11	4.23723977E-10	1.74193757E-09
24	-4.87385277E-11	2.11938072E-10	1.06145903E-09
25	-3.92302095E-11	9.93887530E-11	6.40075747E-10
26	-2.95754258E-11	4.13469221E-11	3.81623586E-10
27	-2.14153066E-11	1.27437848E-11	2.24645158E-10
28	-1.50922358E-11	-3.29690320E-13	1.30271547E-10
29	-1.04334025E-11	-5.48335803E-12	7.41625627E-11
	-7.11090426E-12	-6.80230245E-12	4.12196472E-11

RL	5	5	5
	3	4	5
EIGENVALUE	-1.12473506E+01	-1.15512531E+01	-1.18782058E+01
COEFFICIENT			
K			
0	-4.35993078E-05	-2.16614842E-04	4.28813931E-04
1	-1.08754927E-04	-7.89541355E-04	1.95494662E-03
2	4.07504557E-03	5.92898771E-03	-7.32610484E-03
3	-6.25579028E-03	-4.17360595E-03	2.38488704E-03
4	-5.52273459E-04	-2.04806036E-03	2.42691477E-03
5	1.50969965E-03	1.20556187E-04	1.01810117E-03
6	1.32723632E-03	1.09182374E-03	-1.66265714E-04
7	2.73188284E-05	9.97350939E-04	-7.83044739E-04
8	-1.31540537E-03	1.47548511E-04	-7.99588279E-04
9	4.41512623E-04	-1.06623995E-03	-2.45641131E-04
10	1.62435314E-05	2.76230817E-04	8.62317817E-04
11	3.31425706E-06	2.31393449E-05	-1.62718264E-04
12	9.92973417E-07	5.61112466E-06	-2.04242735E-05
13	3.47059764E-07	1.90748336E-06	-5.65648159E-06
14	1.25690526E-07	7.67669677E-07	-2.11094049E-06
15	4.19760219E-08	3.38157316E-07	-9.24729875E-07
16	9.60158993E-09	1.55641203E-07	-4.44770760E-07
17	-2.21260297E-09	7.24263173E-08	-2.25867747E-07
18	-5.65393926E-09	3.30701213E-08	-1.18118716E-07
19	-5.82433052E-09	1.42494557E-08	-6.25237421E-08
20	-4.89007900E-09	5.35732575E-09	-3.30557984E-08
21	-3.74400157E-09	1.32022874E-09	-1.72420629E-08
22	-2.71925202E-09	-3.59974080E-10	-8.74692475E-09
23	-1.90822231E-09	-9.27738921E-10	-4.22434812E-09
24	-1.30678608E-09	-1.00064285E-09	-1.86395386E-09
25	-8.78558377E-10	-8.79051319E-10	-6.73541651E-10
26	-5.82083070E-10	-7.03014559E-10	-1.07142594E-10
27	-3.81019355E-10	-5.32730693E-10	1.34624667E-10
28	-2.46827492E-10	-3.89838973E-10	2.14190651E-10
29	-1.58417716E-10	-2.78390770E-10	2.18053901E-10

RL	5	5	5
	6	7	8
EIGENVALUE	-1.22250788E+01	-1.25890898E+01	-1.29677726E+01
COEFFICIENT			
K			
0	-5.88002804E-04	6.01749696E-04	-4.04059855E-04
1	-3.51195567E-03	5.29140608E-03	-7.11203519E-03
2	8.02554975E-03	-7.99922392E-03	7.35961646E-03
3	-4.60805117E-04	-1.18946842E-03	2.36452310E-03
4	-1.94278051E-03	1.01823903E-03	-1.45167022E-05
5	-1.48739074E-03	1.35068240E-03	-8.50509060E-04
6	6.38394896E-04	1.00520857E-03	-9.55661130E-04
7	1.03776052E-04	4.71025828E-04	-7.31930578E-04
8	5.62127982E-04	-3.53900113E-05	-3.82043200E-04
9	6.56589650E-04	-4.00989628E-04	-1.88143237E-05
10	3.10500244E-04	-5.41962926E-04	2.81466285E-04
11	-6.93101091E-04	-3.45999238E-04	4.46118342E-04
12	8.82085065E-05	5.53673005E-04	3.59320776E-04
13	1.43543304E-05	-4.11988035E-05	-4.40054860E-04
14	4.43898553E-06	-8.11985437E-06	1.27166240E-05
15	1.80008888E-06	-2.78578830E-06	2.99971331E-06
16	8.49964040E-07	-1.23419410E-06	1.19282965E-06
17	4.39691491E-07	-6.33167689E-07	6.12274580E-07
18	2.40277881E-07	-3.54353448E-07	3.60347750E-07
19	1.35559799E-07	-2.08651909E-07	2.27539912E-07
20	7.77913937E-08	-1.26420221E-07	1.48618582E-07
21	4.49513929E-08	-7.77437531E-08	9.84695402E-08
22	2.59653404E-08	-4.81112453E-08	6.55049016E-08
23	1.49041498E-08	-2.97956353E-08	4.35122343E-08
24	8.45341299E-09	-1.83962520E-08	2.87756378E-08
25	4.70738604E-09	-1.12907517E-08	1.89141502E-08
26	2.55143450E-09	-6.87137136E-09	1.23438647E-08
27	1.32775768E-09	-4.13601541E-09	7.99277940E-09
28	6.46975099E-10	-2.45488951E-09	5.13142778E-09
29	2.78936517E-10	-1.43106451E-09	3.26399450E-09

RI	5	5	5
RI	9	10	11
EIGENVALUE	-1.33589741E+01	-1.37608742E+01	-1.41719977E+01
COEFFICIENT			
K			
0	3.56691171E-05	-7.15340381E-04	1.60771832E-03
1	-8.81953657E-03	1.03006246E-02	-1.14843078E-02
2	6.27853445E-03	-4.93184016E-03	3.47269906E-03
3	3.02442359E-03	-3.22416563E-03	3.06130956E-03
4	8.41153325E-04	-1.44357765E-03	1.77193030E-03
5	-2.26017611E-04	-3.55404104E-04	8.02125698E-04
6	-6.42158053E-04	2.23799452E-04	1.81850719E-04
7	-6.98678924E-04	4.77293473E-04	-1.78433423E-04
8	-5.60667663E-04	5.25363563E-04	-3.55605337E-04
9	-3.25537014E-04	4.44130616E-04	-4.03626806E-04
10	-5.74471800E-05	2.84178550E-04	-3.59715982E-04
11	1.91936613E-04	8.31697815E-05	-2.50860203E-04
12	3.64980703E-04	-1.24595111E-04	-9.90035620E-05
13	-3.57293938E-04	-2.96257485E-04	7.39965264E-05
14	-3.48346750E-04	-3.45328559E-04	2.38278983E-04
15	-3.68366216E-06	2.74851183E-04	3.27350156E-04
16	-7.10088131E-07	1.24015645E-05	-2.16277434E-04
17	-1.12985570E-07	3.13482247E-06	-1.63517675E-05
18	5.11507291E-08	1.06900016E-06	-4.53528697E-06
19	9.14988641E-08	3.96567362E-07	-1.69579486E-06
20	9.06889892E-08	1.39721004E-07	-7.18387401E-07
21	7.68221315E-08	3.56872927E-08	-3.19056029E-07
22	6.04801004E-08	-5.57063507E-09	-1.40567849E-07
23	4.56006975E-08	-1.97485576E-08	-5.74386302E-08
24	3.33900180E-08	-2.22863511E-08	-1.85917956E-08
25	2.39235367E-08	-2.01726394E-08	-1.11105841E-09
26	1.68485111E-08	-1.65799526E-08	5.95354594E-09
27	1.16972678E-08	-1.29050856E-08	8.03012075E-09
28	8.02112820E-09	-9.69535464E-09	7.84977857E-09
29	5.43981970E-09	-7.10232888E-09	6.77820153E-09

RI	5	5	5
RI	12	13	14
EIGENVALUE	-1.45911882E+01	-1.50175396E+01	-1.54503008E+01
COEFFICIENT			
K			
0	-2.66978671E-03	-3.85308481E-03	-5.11386620E-03
1	1.23397125E-02	1.28725608E-02	1.31185934E-02
2	-2.02211044E-03	-6.66629515E-04	5.40873317E-04
3	-2.64367722E-03	-2.07136761E-03	-1.42705972E-03
4	-1.85454070E-03	-1.74320423E-03	-1.49584060E-03
5	-1.06126608E-03	-1.19822834E-03	-1.17940166E-03
6	-5.06056191E-04	-7.20331869E-04	-8.23921000E-04
7	-1.14750687E-04	-3.52528481E-04	-5.13497481E-04
8	1.31596654E-04	-8.68531936E-05	-2.64181794E-04
9	2.66546608E-04	9.28152387E-05	-7.39860985E-05
10	3.15130513E-04	2.01002715E-04	6.29549647E-05
11	2.95724529E-04	2.49067997E-04	1.52346062E-04
12	2.22455300E-04	2.45644819E-04	1.98757226E-04
13	1.07494731E-04	1.97520121E-04	2.05595254E-04
14	-3.62287908E-05	1.10654936E-04	1.75366191E-04
15	-1.89662781E-04	-8.38294315E-06	1.10066162E-04
16	-3.06084824E-04	-1.49197793E-04	1.17952546E-05
17	1.69819220E-04	-2.83392205E-04	-1.15775515E-04
18	1.74357771E-05	1.33127049E-04	-2.60527962E-04
19	5.18275907E-06	1.68817749E-05	1.04240713E-04
20	2.04859682E-06	5.31261008E-06	1.54706953E-05
21	9.23545724E-07	2.19165300E-06	5.11132407E-06
22	4.44560764E-07	1.03133113E-06	2.18545248E-06
23	2.19780195E-07	5.21305654E-07	1.06405298E-06
24	1.08276629E-07	2.73622269E-07	5.57725417E-07
25	5.14412780E-08	1.45763060E-07	3.04999110E-07
26	2.23366789E-08	7.73481534E-08	1.70540679E-07
27	7.69467080E-09	4.00892458E-08	9.60732488E-08
28	6.70083967E-10	1.97413776E-08	5.38482180E-08
29	-2.37014683E-09	8.75573866E-09	2.96403905E-08

L R	5		
	15	16	17
EIGENVALUE	-1.58887831E+01	-1.63322897E+01	-1.67800730E+01
COEFFICIENT			
K			
0	6.42102131E-03	-7.76005688E-03	-9.13285226E-03
1	-1.31332017E-02	1.29792536E-02	1.27162210E-02
2	-1.57769550E-03	2.44494758E-03	3.15948210E-03
3	7.71657288E-04	-1.44201044E-04	4.34967610E-04
4	1.16542828E-03	-7.94036757E-04	-4.11029899E-04
5	1.05904858E-03	-8.70432881E-04	-6.40921656E-04
6	8.31899143E-04	-7.65674643E-04	-6.46559805E-04
7	5.96001027E-04	-6.09584109E-04	-5.68196305E-04
8	3.85215793E-04	-4.48726170E-04	-4.61142658E-04
9	2.08543528E-04	-3.00368818E-04	-3.48737903E-04
10	6.70054457E-05	-1.70858150E-04	-2.41366539E-04
11	-4.06310827E-05	-6.24361305E-05	-1.43936343E-04
12	-1.15870489E-04	2.40783242E-05	-5.90289058E-05
13	-1.59834738E-04	8.81950599E-05	1.16975643E-05
14	-1.73089684E-04	1.29292681E-04	6.68490441E-05
15	-1.55639978E-04	1.46409697E-04	1.04958631E-04
16	-1.06974521E-04	1.38114662E-04	1.24278904E-04
17	-2.61166935E-05	1.02346398E-04	1.22568144E-04
18	8.83448376E-05	3.60618714E-05	9.69036586E-05
19	2.38317954E-04	-6.58960498E-05	4.28370088E-05
20	-8.15261417E-05	-2.17268689E-04	-4.74695596E-05
21	-1.36835970E-05	6.36295824E-05	-1.97643263E-04
22	-4.71667198E-06	1.18004349E-05	4.94440034E-05
23	-2.08067384E-06	4.22338923E-06	9.96895761E-06
24	-1.04284706E-06	1.91599075E-06	3.69128587E-06
25	-5.63121917E-07	9.85374055E-07	1.71832220E-06
26	-3.17994625E-07	5.46043973E-07	9.04913509E-07
27	-1.84278248E-07	3.16828352E-07	5.13404714E-07
28	-1.08160679E-07	1.89029576E-07	3.05187896E-07
29	-6.36519736E-08	1.14549620E-07	1.86759179E-07

L R	5		
	18	19	20
EIGENVALUE	-1.72313126E+01	-1.76851039E+01	-1.81404519E+01
COEFFICIENT			
K			
0	1.05539927E-02	1.20442442E-02	-1.36202335E-02
1	-1.23925037E-02	-1.20407680E-02	1.16746734E-02
2	-3.74581403E-03	-4.22914113E-03	4.62945110E-03
3	-9.59236257E-04	-1.43027546E-03	1.85276298E-03
4	3.42167976E-05	-3.27358214E-04	6.69905103E-04
5	3.90328407E-04	1.31459844E-04	1.29050030E-04
6	4.92316396E-04	3.16041055E-04	-1.26630729E-04
7	4.85743867E-04	3.73825128E-04	-2.41133329E-04
8	4.31747710E-04	3.69686415E-04	-2.82574107E-04
9	3.58052882E-04	3.34487094E-04	-2.84030214E-04
10	2.78075583E-04	2.83914756E-04	-2.62890422E-04
11	1.98759004E-04	2.26471510E-04	-2.28858128E-04
12	1.24027720E-04	1.67115538E-04	-1.87697237E-04
13	5.64046481E-05	1.09024732E-04	-1.43093575E-04
14	-2.18793867E-06	5.44996629E-05	-9.76309625E-05
15	-5.00022465E-05	5.45524354E-06	-5.33318960E-05
16	-8.52077667E-05	-3.62863875E-05	-1.19785387E-05
17	-1.05692682E-04	-6.87911865E-05	2.46747478E-05
18	-1.08839885E-04	-8.98260382E-05	5.47321735E-05
19	-9.11544304E-05	-9.66175943E-05	7.59797342E-05
20	-4.74066924E-05	-8.54238737E-05	8.56349941E-05
21	3.21749155E-05	-3.05201903E-05	7.99808921E-05
22	1.79520324E-04	1.92075034E-05	5.27336705E-05
23	-3.80796950E-05	1.62842036E-04	-7.85972167E-06
24	-8.25345845E-06	-2.88358431E-05	-1.47452175E-04
25	-3.15391828E-06	-6.66871986E-06	2.11750860E-05
26	-1.50450055E-06	-2.62652159E-06	5.20326916E-06
27	-8.10425685E-07	-1.28351267E-06	2.11265416E-06
28	-4.70180363E-07	-7.07160183E-07	1.05879029E-06
29	-2.85896567E-07	-4.19492909E-07	5.97500037E-07

RT	5 21	5 22	5 23
EIGENVALUE	-1.85962837E+01	-1.90515184E+01	-1.95052631E+01
COEFFICIENT			
1	1.52773783E-02	-1.69625321E-02	1.85391760E-02
2	1.12851927E-02	1.08362971E-02	-1.02643003E-02
3	4.95587475E-03	5.20063109E-03	-5.33424167E-03
4	2.22915376E-03	2.55410662E-03	-2.80929778E-03
5	9.90957365E-04	1.28491804E-03	-1.53847346E-03
6	3.83104694E-04	6.27792845E-04	-8.51572559E-04
7	6.96954474E-05	2.67002612E-04	-4.56563075E-04
8	-9.40592559E-05	6.17278222E-05	-2.18868170E-04
9	-1.76352540E-04	-5.61843516E-05	-7.17259456E-05
10	-2.11748641E-04	-1.22099863E-04	2.02280131E-05
11	-2.18885229E-04	-1.55484233E-04	7.68018807E-05
12	-2.08384507E-04	-1.67618347E-04	1.09638216E-04
13	-1.86639241E-04	-1.65363367E-04	1.25884092E-04
14	-1.57733592E-04	-1.53104761E-04	1.30115724E-04
15	-1.24469541E-04	-1.33807599E-04	1.25397612E-04
16	-8.89436294E-05	-1.09616964E-04	1.13891884E-04
17	-5.28900605E-05	-8.22168492E-05	9.72247820E-05
18	-1.79016749E-05	-5.30583532E-05	7.67185700E-05
19	1.44083844E-05	-2.35185888E-05	5.35486418E-05
20	4.22621856E-05	4.97159232E-06	2.88615160E-05
21	6.35492907E-05	3.08013452E-05	3.87834912E-06
22	7.55723656E-05	5.20204712E-05	-1.99934654E-05
23	7.45554630E-05	6.60845917E-05	-4.10096743E-05
24	5.44218275E-05	6.93475644E-05	-5.68380201E-05
25	2.46556490E-06	5.57713508E-05	-6.40447964E-05
26	-1.33127523E-04	1.22223854E-05	-5.67601416E-05
27	1.47056866E-05	-1.19612803E-04	-2.16521147E-05
28	3.83604887E-06	9.17497921E-06	1.06677822E-04
29	1.60983411E-06	2.55052043E-06	-4.47030247E-06
30	8.30452728E-07	1.11508649E-06	-1.34865162E-06

RT	5 24	5 25	5 26
EIGENVALUE	-1.99571907E+01	-2.04079907E+01	-2.08594769E+01
COEFFICIENT			
1	1.97698574E-02	2.03687874E-02	-2.01485848E-02
2	-9.49248599E-03	-8.47263447E-03	7.23724829E-03
3	-5.30901160E-03	-5.08110654E-03	4.64775147E-03
4	-2.96277451E-03	-2.98029253E-03	2.84920562E-03
5	-1.72849871E-03	-1.82788532E-03	1.82129125E-03
6	-1.03673675E-03	-1.16124033E-03	1.20939285E-03
7	-6.24296382E-04	-7.51870964E-04	8.24100689E-04
8	-3.65908902E-04	-4.87376282E-04	5.68920790E-04
9	-1.97970484E-04	-3.09387119E-04	3.92602575E-04
10	-8.61549524E-05	-1.85846620E-04	2.66518547E-04
11	-1.09345925E-05	-9.82554404E-05	1.73922412E-04
12	3.93128381E-05	-3.54756202E-05	1.04620267E-04
13	7.17837451E-05	9.44716324E-06	5.21942265E-05
14	9.10992513E-05	4.09959802E-05	1.24871783E-05
15	1.00336088E-04	6.21473480E-05	-1.72599829E-05
16	1.01625726E-04	7.49371723E-05	-3.89189876E-05
17	9.65171334E-05	8.08057466E-05	-5.37875834E-05
18	8.62062509E-05	8.08164584E-05	-6.27888899E-05
19	7.16891959E-05	7.58007746E-05	-6.66032067E-05
20	5.38726368E-05	6.64601425E-05	-6.57593415E-05
21	3.36629387E-05	5.34439223E-05	-6.07020617E-05
22	1.20509033E-05	3.74168409E-05	-5.18467428E-05
23	-9.78986876E-06	1.91279105E-05	-3.96298258E-05
24	-3.03628316E-05	-5.04432610E-07	-2.45637568E-05
25	-4.76066429E-05	-2.02655297E-05	-7.30848603E-06
26	-5.83888564E-05	-3.84192184E-05	1.12180906E-05
27	-5.71586877E-05	-5.22256299E-05	2.96389416E-05
28	-3.06861683E-05	-5.66266040E-05	4.56782299E-05
29	-9.42106019E-05	-3.89019478E-05	5.49330761E-05
30	-6.06360364E-07	8.23143063E-05	4.56646796E-05

RT	5 27	5 28	5 29
EIGENVALUE	-2.13139676E+01	-2.17732779E+01	-2.22381578E+01
COEFFICIENT			
100K	-1.91583876E-02	-1.76598343E-02	1.59659892E-02
11	5.90790131E-03	4.63441711E-03	-3.52247553E-03
12	4.06694329E-03	3.43131244E-03	-2.82275330E-03
13	2.59581628E-03	2.27481526E-03	-1.94090577E-03
14	1.71929364E-03	1.55475519E-03	-1.36484649E-03
15	1.18334304E-03	1.10291402E-03	-9.93901507E-04
16	8.38338890E-04	8.06156014E-04	-7.45653880E-04
17	6.05064601E-04	6.01885262E-04	-5.72039715E-04
18	4.40453698E-04	4.55212669E-04	-4.45523061E-04
19	3.20040762E-04	3.45971879E-04	-3.49894259E-04
20	2.29322679E-04	2.62047561E-04	-2.75280419E-04
21	1.59375526E-04	1.95904233E-04	-2.15472880E-04
22	1.04533503E-04	1.42716009E-04	-1.66459517E-04
23	6.11059852E-05	9.93192080E-05	-1.25591317E-04
24	4.66394198E-05	6.36034988E-05	-9.10926709E-05
25	3.23256328E-05	3.41453841E-05	-6.17640762E-05
26	2.15148295E-05	9.98025453E-06	-3.67960065E-05
27	1.71176902E-05	9.54388160E-06	-1.56488977E-05
28	1.41886846E-05	9.48632455E-06	2.02649894E-06
29	9.63386320E-06	3.62646166E-06	1.64435905E-05
30	6.45648523E-06	4.39326303E-06	2.77184805E-05
31	4.90863868E-06	4.79853510E-06	3.58984052E-05
32	3.01421868E-06	4.85031127E-06	4.09839452E-05
33	2.80337854E-06	4.55545011E-06	4.29478264E-05
34	1.31832865E-06	3.92231868E-06	3.17526780E-05
35	3.77431474E-06	2.96402918E-06	4.73702637E-05
36	2.18192971E-06	1.70299924E-06	2.98056425E-05
37	3.91645119E-06	1.78397078E-06	1.91322674E-05
38	5.21610838E-06	1.53974293E-06	5.55052791E-06
39		3.31855107E-06	-1.04994798E-05

RT	5 30	5 31	5 32
EIGENVALUE	-2.27084390E+01	-2.31834788E+01	-2.36625159E+01
COEFFICIENT			
100K	-1.43092542E-02	1.28119629E-02	-1.15163902E-02
11	6.1056953E-03	-1.88936338E-03	1.32865522E-03
12	2.8692938E-03	-1.83749068E-03	1.46978558E-03
13	1.62997392E-03	-1.35788258E-03	1.12747925E-03
14	1.17680526E-03	-1.00505806E-03	8.54760541E-04
15	8.77135682E-04	-7.65073008E-04	6.63436324E-04
16	6.72927976E-04	-5.98580560E-04	5.28251324E-04
17	5.28029645E-04	-4.78829283E-04	4.29737449E-04
18	4.21069682E-04	-3.89409427E-04	3.55396423E-04
19	3.39216151E-04	-3.20248585E-04	2.97360459E-04
20	2.74539892E-04	-2.65025606E-04	2.50607107E-04
21	2.1997327E-04	-2.19671033E-04	2.11860950E-04
22	1.78298339E-04	-1.81503648E-04	1.78940936E-04
23	1.41253562E-04	-1.48724048E-04	1.50369833E-04
24	1.09386475E-04	-1.20109906E-04	1.25135917E-04
25	8.16958287E-05	-9.48275870E-05	1.02544115E-04
26	6.75058829E-05	-7.23125422E-05	8.21207883E-05
27	5.63693753E-05	-5.21914151E-05	6.35513686E-05
28	4.80029313E-05	-4.42300232E-05	4.66385679E-05
29	4.24289045E-06	-1.82977493E-05	3.12737301E-05
30	3.09856056E-05	-4.34252500E-06	1.74167295E-05
31	2.16922902E-05	7.62726296E-06	5.08150838E-06
32	9.8370481E-05	1.75563261E-05	-5.67463459E-06
33	5.53458998E-05	2.53531125E-05	-1.47592728E-05
34	3.91223292E-05	3.08987150E-05	-2.20514932E-05
35	3.80596509E-05	3.40550323E-05	-2.74076432E-05
36	3.50547617E-05	3.46731669E-05	-3.06667987E-05
37	3.90260517E-05	3.26033011E-05	-3.16566244E-05
38	1.99401283E-05	2.77079911E-05	-3.02005364E-05
39	8.5723504E-06	1.98824941E-05	-2.61276563E-05

L R	5 33	5 34	5 35
EIGENVALUE	-2.41448476E+01	-2.46298873E+01	-2.51171648E+01
COEFFICIENT			
K			
0	1.04219651E-02	-9.51040045E-03	-8.75893592E-03
1	-8.94677270E-04	5.57544893E-04	2.93167212E-04
2	-1.17200030E-03	9.31160269E-04	7.35586534E-04
3	-9.35369995E-04	7.76036304E-04	6.43802561E-04
4	-7.26035333E-04	6.16828049E-04	5.24421282E-04
5	-5.73919681E-04	4.96214697E-04	4.29181709E-04
6	-4.64341553E-04	4.07473479E-04	3.57404948E-04
7	-3.83441636E-04	3.41072361E-04	3.02921343E-04
8	-3.21782660E-04	2.89971051E-04	2.60578361E-04
9	-2.73242859E-04	2.49430007E-04	2.26735756E-04
10	-2.33838417E-04	2.16294953E-04	1.98904297E-04
11	-2.00934253E-04	1.88446158E-04	1.75380305E-04
12	-1.72755546E-04	1.64437944E-04	1.54985518E-04
13	-1.48088240E-04	1.43270725E-04	1.36895611E-04
14	-1.26093282E-04	1.24246789E-04	1.20528963E-04
15	-1.06189233E-04	1.06877922E-04	1.05474215E-04
16	-8.79765447E-05	9.08252235E-05	9.14425287E-05
17	-7.11876620E-05	7.58591907E-05	7.82356730E-05
18	-5.56534570E-05	6.18327436E-05	6.57243388E-05
19	-4.12801769E-05	4.86626608E-05	5.38331816E-05
20	-2.80332796E-05	3.63165633E-05	4.25303294E-05
21	-1.59258455E-05	2.48036108E-05	3.18199027E-05
22	-5.01006574E-06	1.41677114E-05	2.17365849E-05
23	4.62919798E-06	4.48244273E-06	1.23416011E-05
24	1.28794757E-05	-4.15286207E-06	3.71966648E-06
25	1.96048879E-05	-1.16162605E-05	-4.02340711E-06
26	2.46498989E-05	-1.77658815E-05	-1.07626760E-05
27	2.78430309E-05	-2.24424080E-05	-1.63557907E-05
28	2.90010146E-05	-2.54716405E-05	-2.06446608E-05
29	2.79340662E-05	-2.66674956E-05	-2.34572613E-05

L R	5 36	5 37	5 38
EIGENVALUE	-2.56063090E+01	-2.60970262E+01	-2.65890830E+01
COEFFICIENT			
K			
0	-8.14629393E-03	7.65498902E-03	-7.27208392E-03
1	8.28597090E-05	8.77255652E-05	-2.29715648E-04
2	5.75562829E-04	-4.43261033E-04	3.32421371E-04
3	5.33594522E-04	-4.41126796E-04	3.62858424E-04
4	4.46119178E-04	-3.79505191E-04	3.22502520E-04
5	3.71438184E-04	-3.21623305E-04	2.78499664E-04
6	3.13528495E-04	-2.75121721E-04	2.41463477E-04
7	2.68862595E-04	-2.38581305E-04	2.11692200E-04
8	2.33788600E-04	-2.09558197E-04	1.87730407E-04
9	2.05547573E-04	-1.86007638E-04	1.68120063E-04
10	1.82187193E-04	-1.66414907E-04	1.51707368E-04
11	1.62341794E-04	-1.49691299E-04	1.37632969E-04
12	1.45051654E-04	-1.35057117E-04	1.25266970E-04
13	1.29636494E-04	-1.21951380E-04	1.14148055E-04
14	1.15610629E-04	-1.09968313E-04	1.03937637E-04
15	1.02626535E-04	-9.88138796E-05	9.43869342E-05
16	9.04371251E-05	-8.82761899E-05	8.53140659E-05
17	7.88702784E-05	-7.82052744E-05	7.65881338E-05
18	6.78114352E-05	-6.84991481E-05	6.81181324E-05
19	5.71915431E-05	-5.90941193E-05	5.98451910E-05
20	4.69786000E-05	-4.99579806E-05	5.17371103E-05
21	3.71716374E-05	-4.10851741E-05	4.37844897E-05
22	2.77963763E-05	-3.24933197E-05	3.59979610E-05
23	1.89020391E-05	-2.42206897E-05	2.84061963E-05
24	1.05589626E-05	-1.63243453E-05	2.10544598E-05
25	2.85676503E-06	-8.87873165E-06	1.40035382E-05
26	-4.09711430E-06	-1.97458954E-06	7.32893571E-06
27	-1.01786436E-05	4.28192658E-06	1.12024519E-06
28	-1.52483183E-05	9.77001392E-06	-4.51937311E-06
29	-1.91522976E-05	1.43549551E-05	-9.47366536E-06



5	5	5	
39	40	41	
EIGENVALUE	-2.70822909E+01	-2.75764960E+01	-2.80715701E+01
COEFFICIENT			
K			
0	-6.98948048E-03	-6.80434264E-03	6.72011169E-03
1	-3.51994439E-04	-4.62043815E-04	5.66729162E-04
2	3.79878668E-04	1.55761407E-04	-8.20695407E-05
3	9.5897364E-04	2.37774536E-04	-1.86383619E-04
4	7.3351057E-04	2.30551876E-04	-1.92798406E-04
5	4.0977800E-04	2.08105419E-04	-1.79039617E-04
6	1.1861262E-04	1.85763954E-04	-1.62556381E-04
7	8.7797529E-04	1.66512489E-04	-1.47472574E-04
8	6.8097304E-04	1.50431929E-04	-1.34503098E-04
9	5.1813074E-04	1.36974348E-04	-1.23470111E-04
10	3.8093207E-04	1.25546021E-04	-1.14005750E-04
11	2.6270836E-04	1.15644303E-04	-1.05750620E-04
12	1.5842049E-04	1.06872955E-04	-9.84022524E-05
13	6.4298666E-04	9.89271850E-05	-9.17187566E-05
14	7.7527411E-05	9.15745237E-05	-8.55105478E-05
15	9.6005854E-05	8.46383764E-05	-7.96304494E-05
16	1.8174059E-05	7.79853591E-05	-7.39651099E-05
17	4.2889572E-05	7.15159735E-05	-6.84282858E-05
18	6.9340177E-05	6.51578726E-05	-6.29558157E-05
19	9.6982298E-05	5.88610433E-05	-5.75019495E-05
20	2.5497470E-05	5.25943783E-05	-5.20367057E-05
21	5.4761488E-05	4.63432461E-05	-4.65439923E-05
22	8.4822510E-05	4.01077748E-05	-4.10202865E-05
23	1.5885450E-05	3.39016447E-05	-3.54737185E-05
24	4.8300833E-05	2.77512434E-05	-2.99234479E-05
25	8.2556759E-05	2.16950764E-05	-2.43992468E-05
26	1.9273061E-05	1.57833563E-05	-1.89412284E-05
27	9.1969273E-06	1.00777142E-05	-1.35996756E-05
28	1.9946167E-07	4.65098824E-06	-8.43493198E-06
29	4.7727279E-06	4.12944278E-07	-3.51732948E-06

5	5	5	
42	43	44	
EIGENVALUE	-2.85674038E+01	-2.90639009E+01	-2.95609717E+01
COEFFICIENT			
K			
0	6.74873260E-03	6.91531365E-03	-7.26810226E-03
1	6.73174478E-04	7.89993993E-04	-9.29463811E-04
2	-1.34142733E-05	5.39885310E-05	-1.24972561E-04
3	3.9769736E-04	-9.59295688E-05	5.24732096E-05
4	5.8895641E-04	-1.27653722E-04	9.77167477E-05
5	5.3007179E-04	-1.29247844E-04	1.06920229E-04
6	4.1742044E-04	-1.22812864E-04	1.05214965E-04
7	3.0329333E-04	-1.14735348E-04	1.00312408E-04
8	2.0079055E-04	-1.06921718E-04	9.47682382E-05
9	1.1153663E-04	-9.98654654E-05	8.94231260E-05
10	0.3390175E-04	-9.35987596E-05	8.45081161E-05
11	6.5579822E-05	-8.80118048E-05	8.00338284E-05
12	9.04384626E-05	-8.29637987E-05	7.59357112E-05
13	8.48458254E-05	-7.83206644E-05	7.21297294E-05
14	9.6287454E-05	-7.39662316E-05	6.85334566E-05
15	4.6663847E-05	-6.98038804E-05	6.50734374E-05
16	9.8634635E-05	-6.57550378E-05	6.16871110E-05
17	5.1458615E-05	-6.17569304E-05	5.83226821E-05
18	6.04571021E-05	-5.77604532E-05	5.49383362E-05
19	5.7556845E-05	-5.37284151E-05	5.15013616E-05
20	1.0131246E-05	-4.96341933E-05	4.79873850E-05
21	6.2125496E-05	-4.54607502E-05	4.43797817E-05
22	1.3477143E-05	-4.11999441E-05	4.06692588E-05
23	6.4223304E-05	-3.68520708E-05	3.68535878E-05
24	1.4496259E-05	-3.24255787E-05	3.29374571E-05
25	6.4520697E-05	-2.79369116E-05	2.89324179E-05
26	1.4612133E-05	-2.34104428E-05	2.48568967E-05
27	6.5176120E-05	-1.88784723E-05	2.07362549E-05
28	1.16707975E-05	-1.43812633E-05	1.66028780E-05
29	6.97927812E-06	-9.96710021E-06	1.24962799E-05

L	R	5	5	5
		45	46	47
	EIGENVALUE	-3.00585232E+01	-3.05564385E+01	-3.10545135E+01
	COEFFICIENT			
0		7.90153200E-03	-9.01671158E-03	-1.11147992E-02
1		1.11215059E-03	-1.37871273E-03	-1.82729061E-03
2		2.06993027E-04	-3.14076669E-04	-4.79275810E-04
3		-5.94200279E-06	-4.98885390E-05	-1.29340201E-04
4		-6.72202276E-05	3.29436435E-05	-1.23455911E-05
5		-8.49122844E-05	6.13723697E-05	3.22404513E-05
6		-8.82364331E-05	7.07275465E-05	5.02228765E-05
7		-8.65818035E-05	7.27875086E-05	5.73385624E-05
8		-8.32863248E-05	7.19573273E-05	5.97042141E-05
9		-7.95922288E-05	7.00062371E-05	5.99080235E-05
10		-7.59528837E-05	6.76692953E-05	5.91094321E-05
11		-7.25097310E-05	6.52484996E-05	5.78451207E-05
12		-6.92791230E-05	6.28567047E-05	5.63649470E-05
13		-6.62291207E-05	6.05225851E-05	5.47813036E-05
14		-6.33119283E-05	5.82378117E-05	5.31390249E-05
15		-6.04776477E-05	5.59789143E-05	5.14494878E-05
16		-5.76799516E-05	5.37176050E-05	4.97078133E-05
17		-5.48782314E-05	5.14256927E-05	4.79017912E-05
18		-5.20382342E-05	4.90774159E-05	4.60166290E-05
19		-4.91320961E-05	4.66505428E-05	4.40375454E-05
20		-4.61381731E-05	4.41268897E-05	4.19512360E-05
21		-4.30408490E-05	4.14925788E-05	3.97467424E-05
22		-3.98303874E-05	3.87381909E-05	3.74160080E-05
23		-3.65028505E-05	3.58588876E-05	3.49542694E-05
24		-3.30600829E-05	3.28545364E-05	3.23603636E-05
25		-2.95097524E-05	2.97298495E-05	2.96369931E-05
26		-2.58654326E-05	2.64945388E-05	2.67909702E-05
27		-2.21467184E-05	2.31634846E-05	2.38334492E-05
28		-1.83793593E-05	1.97569112E-05	2.07801507E-05
29		-1.45954023E-05	1.63005642E-05	1.76515776E-05

L	R	5	5	5
		48	49	50
	EIGENVALUE	-3.15521756E+01	-3.20459195E+01	-3.23939443E+01
	COEFFICIENT			
0		-1.58534439E-02	3.34701151E-02	-1.69801777E-01
1		-2.77875079E-03	6.20911448E-03	-3.26727196E-02
2		-8.09645709E-04	1.96301599E-03	-1.08362092E-02
3		-2.78349163E-04	7.78558699E-04	-4.61561508E-03
4		-9.16035357E-05	3.45264688E-04	-2.28515726E-03
5		-1.52295306E-05	1.58847783E-04	-1.25393605E-03
6		1.90659593E-05	6.94019992E-05	-7.42291906E-04
7		3.53427237E-05	2.29832135E-05	-4.65941097E-04
8		4.32407415E-05	-2.55772237E-06	-3.06428775E-04
9		4.69974296E-05	-1.72433934E-05	-2.09247454E-04
10		4.86076003E-05	-2.59608641E-05	-1.47298600E-04
11		4.90590913E-05	-3.12379906E-05	-1.06243327E-04
12		4.88588000E-05	-3.44457452E-05	-7.80926602E-05
13		4.82723655E-05	-3.63565792E-05	-5.81974157E-05
14		4.74396104E-05	-3.74191420E-05	-4.37491546E-05
15		4.64327766E-05	-3.79001919E-05	-3.29956473E-05
16		4.52870827E-05	-3.79610364E-05	-2.48123658E-05
17		4.40173199E-05	-3.77002425E-05	-1.84595560E-05
18		4.26271515E-05	-3.71782965E-05	-1.34399218E-05
19		4.11144857E-05	-3.64322747E-05	-9.41277339E-06
20		3.94746794E-05	-3.54848247E-05	-6.14085464E-06
21		3.77025199E-05	-3.43498202E-05	-3.45661231E-06
22		3.57935051E-05	-3.30360253E-05	-1.24032094E-06
23		3.37447158E-05	-3.15495444E-05	5.94397794E-07
24		3.15554465E-05	-2.98955142E-05	2.11034923E-06
25		2.92276923E-05	-2.80793181E-05	3.35348655E-06
26		2.67665473E-05	-2.61074895E-05	4.35763180E-06
27		2.41805461E-05	-2.39884115E-05	5.14782050E-06
28		2.14819681E-05	-2.17328796E-05	5.74277283E-06
29		1.86871136E-05	-1.93545681E-05	6.15670794E-06

RT	5 51	5 52	5 53
EIGENVALUE	-3.25791111E+01	-3.30644968E+01	-3.35688569E+01
COEFFICIENT			
K			
0	6.07185633E-02	-1.53086945E-02	7.79823173E-03
1	1.19003271E-02	-3.13909009E-03	1.66898168E-03
2	4.03833760E-03	-1.12344746E-03	6.25944178E-04
3	1.77515943E-03	-5.28354071E-04	3.10679242E-04
4	9.17496886E-04	-2.96697598E-04	1.84997762E-04
5	5.33005072E-04	-1.89765967E-04	1.25543802E-04
6	3.39394210E-04	-1.34192081E-04	9.38661928E-05
7	2.33062835E-04	-1.02626608E-04	7.54245682E-05
8	1.70533829E-04	-8.33982603E-05	6.39202102E-05
9	1.31641220E-04	-7.09937085E-05	5.63301090E-05
10	1.06269097E-04	-6.25910494E-05	5.10805739E-05
11	8.90097176E-05	-5.66477405E-05	4.72956374E-05
12	7.69145559E-05	-5.22723314E-05	4.44591140E-05
13	6.78852843E-05	-4.89241488E-05	4.22512999E-05
14	6.11183254E-05	-4.62609180E-05	4.04651847E-05
15	5.58123932E-05	-4.40574379E-05	3.89612207E-05
16	5.15077409E-05	-4.21602531E-05	3.76418220E-05
17	4.78944375E-05	-4.04614257E-05	3.64364404E-05
18	4.47582876E-05	-3.88828599E-05	3.52925499E-05
19	4.19480140E-05	-3.73666697E-05	3.41700526E-05
20	3.93548319E-05	-3.58691239E-05	3.30377336E-05
21	3.68994508E-05	-3.43567669E-05	3.18709797E-05
22	3.45236443E-05	-3.28039035E-05	3.06502988E-05
23	3.21846929E-05	-3.11909556E-05	2.93603603E-05
24	2.98516735E-05	-2.95033910E-05	2.79893808E-05
25	2.75029572E-05	-2.77310330E-05	2.65287447E-05
26	2.51245101E-05	-2.58676290E-05	2.49727857E-05
27	2.27087363E-05	-2.39105962E-05	2.33186808E-05
28	2.02536892E-05	-2.18608390E-05	2.15664226E-05
29	1.77625365E-05	-1.97229498E-05	1.97188459E-05

RT	5 54	5 55	5 56
EIGENVALUE	-3.43371645E+01	-3.80152615E+01	-4.78308118E+01
COEFFICIENT			
K			
0	7.61828471E-03	-2.64603029E-03	3.67850686E-04
1	1.72840968E-03	-7.34562211E-04	1.32828352E-04
2	6.87652963E-04	-3.47297908E-04	7.51504764E-05
3	3.63069380E-04	-2.13495326E-04	5.26788829E-05
4	2.29714062E-04	-1.53505544E-04	4.17390911E-05
5	1.64755355E-04	-1.22033374E-04	3.59974687E-05
6	1.29168311E-04	-1.03722563E-04	3.21095809E-05
7	1.07914543E-04	-9.22874346E-05	2.99021055E-05
8	9.43534999E-05	-8.47880231E-05	2.85416749E-05
9	8.52346852E-05	-7.97031712E-05	2.73740116E-05
10	7.88311778E-05	-7.61800688E-05	2.73185737E-05
11	7.41612115E-05	-7.37077917E-05	2.71787904E-05
12	7.06334210E-05	-7.19623253E-05	2.72482358E-05
13	6.78730646E-05	-7.07275850E-05	2.74789553E-05
14	6.56316253E-05	-6.98527226E-05	2.78365874E-05
15	6.37373361E-05	-6.92278776E-05	2.82954929E-05
16	6.20669052E-05	-6.87698131E-05	2.88357686E-05
17	6.05287488E-05	-6.84131026E-05	2.94413482E-05
18	5.90527355E-05	-6.81045601E-05	3.00987595E-05
19	5.75837520E-05	-6.77996390E-05	3.07962873E-05
20	5.60775879E-05	-6.74600638E-05	3.15233982E-05
21	5.44982719E-05	-6.70522602E-05	3.22703375E-05
22	5.28163409E-05	-6.65463170E-05	3.30278430E-05
23	5.10077261E-05	-6.59153113E-05	3.37869407E-05
24	4.90530550E-05	-6.51348915E-05	3.45387992E-05
25	4.69372416E-05	-6.41830454E-05	3.52746277E-05
26	4.46492775E-05	-6.30400061E-05	3.59856074E-05
27	4.21821670E-05	-6.16882627E-05	3.66628486E-05
28	3.95329633E-05	-6.01126518E-05	3.72973704E-05
29	3.67028782E-05	-5.83005126E-05	3.78800981E-05

RI	6 0	6 1	6 2
EIGENVALUE	-1.45734854E+01	-1.47501551E+01	-1.49538223E+01
COEFFICIENT			
K			
0	-1.13932375E-07	-6.58113109E-07	8.37787005E-07
1	-1.55101931E-07	-1.09172766E-06	1.64902885E-06
2	-2.84965303E-07	-2.27574642E-06	3.80037902E-06
3	-8.05277201E-07	-7.05951505E-06	1.31963167E-05
4	-4.57097190E-06	-5.47602836E-05	1.99996691E-04
5	1.36068735E-04	3.86832022E-04	-6.63089322E-04
6	-4.13133430E-04	-6.08785657E-04	4.9098676E-04
7	5.24575343E-04	2.19253949E-04	1.87822278E-04
8	-3.25906119E-04	2.60860308E-04	-2.03443514E-04
9	9.17267552E-05	-2.59997883E-04	-1.86771736E-04
10	-6.45957227E-06	7.01759739E-05	2.00639286E-04
11	-4.79727881E-07	-1.49085148E-06	-4.33448170E-05
12	-8.67907912E-08	-1.82289240E-07	-1.39257374E-06
13	-2.30591967E-08	-4.00146113E-08	-2.42853335E-07
14	-7.80288683E-09	-1.18598820E-08	-6.71256780E-08
15	-3.14672492E-09	-4.40423649E-09	-2.38066736E-08
16	-1.44703200E-09	-2.00027262E-09	-9.80591970E-09
17	-7.31500864E-10	-1.07730424E-09	-4.39564850E-09
18	-3.94081821E-10	-6.54344802E-10	-2.04308439E-09
19	-2.20753063E-10	-4.25757016E-10	-9.44621702E-10
20	-1.26256031E-10	-2.85896022E-10	-4.14217268E-10
21	-7.27639321E-11	-1.93815563E-10	-1.57783545E-10
22	-4.18490653E-11	-1.31122289E-10	-3.77645954E-11
23	-2.38311451E-11	-8.80244082E-11	1.39599161E-11
24	-1.33359115E-11	-5.84814400E-11	3.21774454E-11
25	-7.26872412E-12	-3.84066627E-11	3.48000123E-11
26	-3.80943771E-12	-2.49188071E-11	3.09364486E-11
27	-1.87706290E-12	-1.59667152E-11	2.50565027E-11
28	-8.28669368E-13	-1.00987274E-11	1.92029983E-11
29	-2.83644486E-13	-6.30012159E-12	1.41806405E-11

RI	6 3	6 4	6 5
EIGENVALUE	-1.51825712E+01	-1.54344494E+01	-1.57075229E+01
COEFFICIENT			
K			
0	-9.72144836E-07	5.09305704E-06	9.02139442E-06
1	-1.10204154E-06	8.41660492E-06	1.65916171E-05
2	-1.90037546E-06	1.94702500E-05	4.24760701E-05
3	-7.06006221E-06	9.23645016E-05	2.70171330E-04
4	4.50781582E-04	-7.53663430E-04	-1.01642830E-03
5	-8.12017443E-04	7.44544589E-04	4.84207348E-04
6	1.50213649E-04	1.94947154E-04	3.78110911E-04
7	3.23185776E-04	-1.79800747E-04	5.65609406E-05
8	9.01625317E-05	-2.20853564E-04	-1.36783573E-04
9	-1.49592806E-04	-7.29732102E-05	-1.63714516E-04
10	-1.63382043E-04	1.01299831E-04	-7.28905785E-05
11	1.51303561E-04	1.51102736E-04	6.08566410E-05
12	-2.24723618E-05	-1.10239516E-04	1.38699302E-04
13	-1.86546053E-06	9.01459794E-06	-7.70524598E-05
14	-4.00330859E-07	1.16012472E-06	1.62143249E-06
15	-1.23514350E-07	2.90459236E-07	2.66646715E-07
16	-4.72895717E-08	9.86605805E-08	7.31606890E-08
17	-2.09297689E-08	4.08570307E-08	2.69301801E-08
18	-1.02217374E-08	1.95249807E-08	1.25826168E-08
19	-5.32297393E-09	1.03436992E-08	7.11213901E-09
20	-2.88083992E-09	5.87864859E-09	4.55824703E-09
21	-1.58979542E-09	3.49319873E-09	3.12205251E-09
22	-8.81673381E-10	2.12988893E-09	2.19759539E-09
23	-4.85470244E-10	1.31530688E-09	1.55623514E-09
24	-2.62264516E-10	8.15444151E-10	1.09724627E-09
25	-1.36984634E-10	5.04430704E-10	7.66639325E-10
26	-6.76019930E-11	3.09946502E-10	5.29783624E-10
27	-3.00881338E-11	1.88458499E-10	3.61863746E-10
28	-1.05725910E-11	1.12975294E-10	2.44276503E-10
29	-1.04281660E-12	6.64836733E-11	1.62977502E-10

L R	6 6	6 7	6 8
EIGENVALUE	-1.59999194E+01	-1.63098577E+01	-1.66356659E+01
COEFFICIENT			
K			
0	8.50084326E-06	2.93224399E-07	-1.55717006E-05
1	1.78010402E-05	4.57626360E-06	-2.55018920E-05
2	5.11968049E-05	1.91378120E-05	-7.67190328E-05
3	5.38026469E-04	8.62154946E-04	1.19062071E-03
4	-1.15586201E-03	-1.13193936E-03	-9.54231758E-04
5	1.32788441E-04	-1.94740321E-04	-4.18020792E-04
6	3.60294438E-04	2.01210505E-04	-5.31862491E-06
7	2.18756408E-04	2.44871128E-04	1.60655500E-04
8	2.89145426E-05	1.48612989E-04	1.72954425E-04
9	-9.50308102E-05	2.80272041E-05	1.12783259E-04
10	-1.26246662E-04	-6.17883055E-05	3.24661095E-05
11	-7.50355269E-05	-9.78145509E-05	-3.63184986E-05
12	2.79586094E-05	-7.43702389E-05	-7.44940185E-05
13	1.23926110E-04	2.30851618E-06	-7.03622354E-05
14	-5.14088854E-05	1.07455960E-04	-1.66170734E-05
15	-1.67021565E-06	-3.25221798E-05	9.06289704E-05
16	-3.57262430E-07	-2.57518645E-06	-1.92503133E-05
17	-1.15603470E-07	-6.27015559E-07	-2.30710405E-06
18	-4.55142963E-08	-2.16969866E-07	-6.26915076E-07
19	-1.97252905E-08	-9.06307070E-08	-2.31654031E-07
20	-8.81064140E-09	-4.24079640E-08	-1.02067403E-07
21	-3.81876132E-09	-2.12474329E-08	-5.03533001E-08
22	-1.46436871E-09	-1.10516680E-08	-2.67483635E-08
23	-3.66285786E-10	-5.83123500E-09	-1.48937563E-08
24	1.14342084E-10	-3.06009155E-09	-8.52706259E-09
25	2.91630230E-10	-1.56422713E-09	-4.94958557E-09
26	3.25009969E-10	-7.56300242E-10	-2.88147694E-09
27	2.95902015E-10	-3.26468711E-10	-1.66715375E-09
28	2.45098230E-10	-1.05422429E-10	-9.50100841E-10
29	1.92007683E-10	1.25038297E-12	-5.27715341E-10

L R	6 9	6 10	6 11
EIGENVALUE	-1.69757929E+01	-1.73288187E+01	-1.76934581E+01
COEFFICIENT			
K			
0	3.53957899E-05	-5.30970448E-05	6.22129656E-05
1	6.76895309E-05	-1.11060408E-04	1.41437023E-04
2	2.47941600E-04	-4.91848545E-04	7.93457541E-04
3	-1.47084117E-03	1.66299835E-03	-1.74617435E-03
4	6.67554173E-04	-3.30814658E-04	-6.58246708E-07
5	5.06769832E-04	-4.72335838E-04	3.49835409E-04
6	1.81023573E-04	-2.83475286E-04	3.04330247E-04
7	-2.79136365E-05	-9.62077134E-05	1.77292863E-04
8	-1.17754989E-04	2.58087269E-05	6.25228696E-05
9	-1.26956592E-04	8.44360054E-05	-1.67110115E-05
10	-9.09483207E-05	9.54800665E-05	-5.97392417E-05
11	-3.63779566E-05	7.53768318E-05	-7.26403506E-05
12	1.72361544E-05	3.83762740E-05	-6.30150108E-05
13	5.49187434E-05	-3.32871795E-06	-3.84617423E-05
14	6.37566289E-05	-3.85855442E-05	-6.43464956E-06
15	2.96487366E-05	-5.55872584E-05	2.52107459E-05
16	-7.46120054E-05	-3.78084905E-05	4.67887466E-05
17	1.03472985E-05	6.01626397E-05	4.21547108E-05
18	1.60697317E-06	-4.66108832E-06	-4.76459983E-05
19	4.77898389E-07	-8.67397858E-07	1.23377668E-06
20	1.87451175E-07	-2.78370137E-07	2.60061906E-07
21	8.69554258E-08	-1.15804789E-07	8.96493988E-08
22	4.51376210E-08	-5.69582433E-08	4.08557208E-08
23	2.52856314E-08	-3.14626425E-08	2.26784729E-08
24	1.48947722E-08	-1.88074866E-08	1.43600824E-08
25	9.05504620E-09	-1.18315485E-08	9.81940442E-09
26	5.60596801E-09	-7.67689592E-09	6.97959887E-09
27	3.50102199E-09	-5.06706521E-09	5.04017130E-09
28	2.19046062E-09	-3.37094824E-09	3.65136875E-09
29	1.36580073E-09	-2.24661812E-09	2.63628719E-09

L R	6 12	6 13	6 14
EIGENVALUE	-1.80685526E+01	-1.84530538E+01	-1.88460061E+01
COEFFICIENT			
K			
0	-5.76839865E-05	-3.69038376E-05	-3.17016654E-08
1	-1.44726547E-04	-1.09530569E-04	2.85632591E-05
2	-1.13012315E-03	-1.47668249E-03	1.80956890E-03
3	1.71805906E-03	1.59068760E-03	-1.38473157E-03
4	2.85370071E-04	4.98911138E-04	-6.32412876E-04
5	-1.81288893E-04	-4.23472321E-06	-1.53750093E-04
6	-2.57768318E-04	-1.67976346E-04	5.98466808E-05
7	-2.04674845E-04	-1.84461636E-04	1.31151107E-04
8	-1.22313976E-04	-1.45063452E-04	1.34078799E-04
9	-4.75227420E-05	-9.08469047E-05	1.07413127E-04
10	7.77953462E-06	-3.98031496E-05	7.10299374E-05
11	4.15013726E-05	6.47397354E-07	3.50563933E-05
12	5.53821028E-05	2.79877394E-05	4.58110321E-06
13	5.26234447E-05	4.20166966E-05	-1.79523808E-05
14	3.70424582E-05	4.36798317E-05	-3.15268067E-05
15	1.29412915E-05	3.45913536E-05	-3.59395271E-05
16	-1.45166679E-05	1.69501099E-05	-3.15246096E-05
17	-3.80687882E-05	-6.18612565E-06	-1.90954788E-05
18	-4.36657868E-05	-2.98966913E-05	-1.24319379E-07
19	3.71349572E-05	-4.31769925E-05	2.25396149E-05
20	6.74450316E-07	2.85175831E-05	4.13593837E-05
21	1.66915962E-07	1.60413205E-06	-2.15842554E-05
22	5.88476793E-08	4.25365977E-07	-1.93274513E-06
23	2.30177019E-08	1.59085279E-07	-5.49996965E-07
24	8.57299233E-09	6.96243183E-08	-2.14840388E-07
25	2.25720423E-09	3.29127652E-08	-9.82314982E-08
26	-4.99048592E-10	1.59944801E-08	-4.90987893E-08
27	-1.58055023E-09	7.66182569E-09	-2.57956714E-08
28	-1.86009239E-09	3.42654494E-09	-1.38704249E-08
29	-1.76981156E-09	1.26929713E-09	-7.47149948E-09

L R	6 15	6 16	6 17
EIGENVALUE	-1.92465379E+01	-1.96538640E+01	-2.00672936E+01
COEFFICIENT			
K			
0	5.06625128E-05	1.10792849E-04	1.75185556E-04
1	1.01022451E-04	2.78015419E-04	4.97859314E-04
2	-2.10925392E-03	-2.36117749E-03	-2.55575076E-03
3	1.12424350E-03	8.32854440E-04	5.31565591E-04
4	6.88650785E-04	6.77718737E-04	6.13390437E-04
5	2.76075954E-04	3.55623193E-04	3.92278453E-04
6	4.62219301E-05	1.36194896E-04	2.02219669E-04
7	-6.10683747E-05	1.15425447E-05	7.61923288E-05
8	-9.88136498E-05	-5.03819211E-05	1.18851603E-06
9	-9.95935583E-05	-7.40599320E-05	-3.87132033E-05
10	-8.22174492E-05	-7.54172844E-05	-5.56396333E-05
11	-5.74675987E-05	-6.44718686E-05	-5.79828848E-05
12	-3.15775169E-05	-4.75402697E-05	-5.14357968E-05
13	-8.19804637E-06	-2.86760990E-05	-3.98910559E-05
14	1.05056042E-05	-1.05525737E-05	-2.60724633E-05
15	2.32422966E-05	5.00343354E-06	-1.19527400E-05
16	2.92583164E-05	1.66686094E-05	9.73617724E-07
17	2.81661043E-05	2.35248331E-05	1.15105909E-05
18	1.98915304E-05	2.47480549E-05	1.86386741E-05
19	4.75703254E-06	1.97416975E-05	2.14262211E-05
20	-1.61135021E-05	8.02967879E-06	1.89536360E-05
21	-3.87256117E-05	-1.06327759E-05	1.02211816E-05
22	1.60889657E-05	-3.56504876E-05	-6.05122485E-06
23	1.91367215E-06	1.17875500E-05	-3.23975019E-05
24	5.79157875E-07	1.71089502E-06	8.45808274E-06
25	2.34951695E-07	5.46378262E-07	1.42677405E-06
26	1.11080516E-07	2.29308059E-07	4.77777129E-07
27	5.75549681E-08	1.11615463E-07	2.06856623E-07
28	3.15519642E-08	5.95549633E-08	1.03424558E-07
29	1.78826617E-08	3.37119227E-08	5.66659363E-08

L	6	6	6
R	18	19	20
EIGENVALUE	-2.04862371E+01	-2.09102034E+01	-2.13387855E+01
COEFFICIENT			
K			
0	-2.38212238E-04	2.94425274E-04	3.39028880E-04
1	-7.53499833E-04	1.03632919E-03	1.33722842E-03
2	2.68800514E-03	-2.75718243E-03	-2.76620387E-03
3	-2.37739448E-04	-3.52304397E-05	-2.77931935E-04
4	-5.10523696E-04	3.83382640E-04	2.44598118E-04
5	-3.90504229E-04	3.57342990E-04	3.00900643E-04
6	-2.41502618E-04	2.54943298E-04	2.45847955E-04
7	-1.26389014E-04	1.59151557E-04	1.74236300E-04
8	-4.82368903E-05	8.57902667E-05	1.11350750E-04
9	7.78617676E-07	3.41324013E-05	6.23083965E-05
10	2.87221814E-05	4.04794951E-09	2.63940010E-05
11	4.19368527E-05	-2.07820615E-05	1.47170937E-06
12	4.50817517E-05	-3.16679407E-05	-1.46604915E-05
13	4.15346496E-05	-3.53279599E-05	-2.39065626E-05
14	3.37718290E-05	-3.38194425E-05	-2.78276254E-05
15	2.36566578E-05	-2.87453246E-05	-2.76915778E-05
16	1.26456098E-05	-2.13896129E-05	-2.45418145E-05
17	1.93392999E-06	-1.28225355E-05	-1.92618155E-05
18	-7.43869818E-06	-3.98195344E-06	-1.26306587E-05
19	-1.45057339E-05	4.26038572E-06	-5.37097052E-06
20	-1.82987194E-05	1.10382403E-05	1.80648304E-06
21	-1.77570076E-05	1.54228101E-05	8.15484422E-06
22	-1.15672347E-05	1.63209416E-05	1.28274529E-05
23	2.29140204E-06	1.22625341E-05	1.47687994E-05
24	2.91452524E-05	7.36879244E-07	1.24662328E-05
25	-5.90898305E-06	-2.60101897E-05	3.12644416E-06
26	-1.12266022E-06	3.97976155E-06	-2.30642565E-05
27	-3.92241873E-07	8.33308300E-07	-2.53819124E-06
28	-1.74856003E-07	3.02622670E-07	5.76533591E-07
29	-8.97107005E-08	1.38777848E-07	2.17090456E-07

L	6	6	6
R	21	22	23
EIGENVALUE	-2.17716351E+01	-2.22084326E+01	-2.26488592E+01
COEFFICIENT			
K			
0	3.68205812E-04	-3.79251547E-04	-3.70501514E-04
1	1.64763068E-03	-1.96043122E-03	-2.27054812E-03
2	-2.72129726E-03	2.63044168E-03	2.50281184E-03
3	-4.84755419E-04	6.53503764E-04	7.84764836E-04
4	1.04549028E-04	2.89295708E-05	1.50534778E-04
5	2.29229618E-04	-1.49546107E-04	-6.77583610E-05
6	2.18824712E-04	-1.78887392E-04	-1.30788761E-04
7	1.73305156E-04	-1.59132018E-04	-1.34936823E-04
8	1.24421934E-04	-1.25933877E-04	-1.17670483E-04
9	8.18299568E-05	-9.22433284E-05	-9.41383854E-05
10	4.77078503E-05	-6.25322654E-05	-7.05289374E-05
11	2.17405127E-05	-3.80139293E-05	-4.92756892E-05
12	2.88436561E-06	-1.86617490E-05	-3.12011815E-05
13	-1.00099679E-05	-4.01390587E-06	-1.64373181E-05
14	-1.79958223E-05	6.50571235E-06	-4.83082690E-06
15	-2.19847128E-05	1.34654948E-05	3.87700813E-06
16	-2.27562972E-05	1.73871422E-05	9.97261632E-06
17	-2.09858469E-05	1.87411850E-05	1.37394643E-05
18	-1.72752838E-05	1.79564369E-05	1.54493926E-05
19	-1.21836408E-05	1.54349489E-05	1.53644524E-05
20	-6.25706491E-06	1.15695402E-05	1.37441158E-05
21	-6.09868933E-06	6.76383074E-06	1.08559621E-05
22	5.77990960E-06	1.45685484E-06	6.98990422E-06
23	1.05216728E-05	-3.84261006E-06	2.47783190E-06
24	1.31892788E-05	-8.49993888E-06	-2.27653779E-06
25	1.23078283E-05	-1.16441840E-05	-6.74596229E-06
26	4.96792356E-06	-1.18919833E-05	-1.01738936E-05
27	-2.03476316E-05	-6.34747483E-06	-1.13019960E-05
28	1.47637629E-06	1.78776793E-05	-7.34532648E-06
29	3.59544570E-07	-7.06991912E-07	1.56553968E-05

L R	6 24	6 25	6 26
EIGENVALUE	-2.30925759E+01	-2.35392125E+01	-2.39883662E+01
COEFFICIENT			
K			
0	-3.41093299E-04	-2.90651038E-04	2.18993470E-04
1	-2.57501623E-03	-2.87261716E-03	3.16313471E-03
2	2.34733163E-03	2.17181629E-03	-1.99241407E-03
3	8.81098962E-04	9.46166834E-04	-9.83936080E-04
4	2.57211527E-04	3.47672234E-04	-4.21828069E-04
5	1.17094384E-05	8.58416383E-05	-1.52780177E-04
6	-7.86000444E-05	-2.55283426E-05	-2.60699599E-05
7	-1.03876603E-04	-6.87301240E-05	3.17617517E-05
8	-1.01776281E-04	-8.03925231E-05	5.54390711E-05
9	-8.87250803E-05	-7.74768961E-05	6.18786794E-05
10	-7.21117815E-05	-6.81327380E-05	5.96288347E-05
11	-5.52965764E-05	-5.63841923E-05	5.31522927E-05
12	-3.97798424E-05	-4.42489868E-05	4.48414691E-05
13	-2.61840558E-05	-3.27390688E-05	3.60050311E-05
14	-1.47139849E-05	-2.23509998E-05	2.73689093E-05
15	-5.37747073E-06	-1.33135284E-05	1.93388820E-05
16	1.90763404E-06	-5.71527564E-06	1.21418043E-05
17	7.26225050E-06	4.28677701E-07	5.90305875E-06
18	1.08228156E-05	5.14222723E-06	6.89505617E-07
19	1.27324163E-05	8.47092365E-06	-3.46673813E-06
20	1.31396600E-05	1.04742505E-05	-6.55548395E-06
21	1.22021530E-05	1.12235560E-05	-8.58216903E-06
22	1.00934320E-05	1.08037270E-05	-9.56568042E-06
23	7.01358604E-06	9.31794435E-06	-9.53913500E-06
24	3.20532475E-06	6.89588055E-06	-8.55327057E-06
25	-1.02006374E-06	3.70696714E-06	-6.68286232E-06
26	-5.23590429E-06	-1.72196216E-08	-4.03764086E-06
27	-8.80160988E-06	-3.94139466E-06	-7.81309754E-07
28	-1.06023559E-05	-7.53710460E-06	2.83234027E-06
29	-8.03444218E-06	-9.84097122E-06	6.38022950E-06

L R	6 27	6 28	6 29
EIGENVALUE	-2.44396085E+01	-2.48925005E+01	-2.53466174E+01
COEFFICIENT			
K			
0	1.25955863E-04	1.13971840E-05	-1.24553450E-04
1	3.44634513E-03	3.72083363E-03	3.98273853E-03
2	-1.78342867E-03	-1.57747559E-03	-1.36591543E-03
3	-9.98063813E-04	-9.91498480E-04	-9.66312134E-04
4	-4.80233894E-04	-5.23619394E-04	-5.52550943E-04
5	-2.11485588E-04	-2.61385633E-04	-3.02068187E-04
6	-7.45428762E-05	-1.18728481E-04	-1.57727909E-04
7	-5.27221128E-06	-4.10235125E-05	-7.44058969E-05
8	2.85283694E-05	9.79828241E-07	-2.61026083E-05
9	4.32853897E-05	2.28763867E-05	1.67917995E-06
10	4.76536180E-05	3.31921785E-05	1.71446505E-05
11	4.63457305E-05	3.67328414E-05	2.50604152E-05
12	4.20058272E-05	3.62892856E-05	2.82741334E-05
13	3.61573827E-05	3.35286135E-05	2.85344698E-05
14	2.96995220E-05	2.94736543E-05	2.69443640E-05
15	2.31750714E-05	2.47687769E-05	2.42183056E-05
16	1.69193370E-05	1.98312587E-05	2.08321429E-05
17	1.11445837E-05	1.49395573E-05	1.71123915E-05
18	5.98885116E-06	1.02858330E-05	1.32906021E-05
19	1.54445894E-06	6.00769493E-06	9.53705782E-06
20	-2.12535829E-06	2.20757519E-06	5.98195850E-06
21	-4.97696232E-06	-1.03545032E-06	2.72885952E-06
22	-6.98130531E-06	-3.65859319E-06	-1.36800138E-07
23	-8.12193769E-06	-5.61140282E-06	-2.54237578E-06
24	-8.39531232E-06	-6.85401690E-06	-4.42487902E-06
25	-7.81322751E-06	-7.35716990E-06	-5.72943824E-06
26	-6.40782592E-06	-7.10390395E-06	-6.40907994E-06
27	-4.24044171E-06	-6.09336273E-06	-6.42582196E-06
28	-1.41740606E-06	-4.34775390E-06	-5.75339391E-06
29	1.87936958E-06	-1.92507592E-06	-4.38244923E-06



L R	6 30	6 31	6 32
EIGENVALUE	-2.58015858E+01	-2.62571355E+01	-2.67131579E+01
COEFFICIENT			
K			
0	-2.80986963E-04	-4.55497149E-04	6.43477081E-04
1	4.22463276E-03	4.43498689E-03	-4.59891477E-03
2	-1.14952511E-03	-9.29359991E-04	7.07671659E-04
3	-9.23772974E-04	-8.64677458E-04	7.89935615E-04
4	-5.67259098E-04	-5.67672265E-04	5.53690314E-04
5	-3.33064344E-04	-3.53769777E-04	3.63551847E-04
6	-1.90713159E-04	-2.16818048E-04	2.35162751E-04
7	-1.04446793E-04	-1.30181766E-04	1.50640467E-04
8	-5.17272254E-05	-7.49255593E-05	9.47228333E-05
9	-1.93674659E-05	-3.93451800E-05	5.73224746E-05
10	3.55851678E-07	-1.63368875E-05	3.20726058E-05
11	1.20566321E-05	-1.53979355E-06	1.49538577E-05
12	1.85602696E-05	7.77823250E-06	3.39159073E-06
13	2.16418400E-05	1.33685047E-05	-4.29564951E-06
14	2.24453530E-05	1.63803248E-05	-9.22926491E-06
15	2.17272053E-05	1.75860805E-05	-1.21734872E-05
16	2.00008727E-05	1.75177030E-05	-1.36608637E-05
17	1.76248550E-05	1.65511065E-05	-1.40712743E-05
18	1.48572488E-05	1.49594861E-05	-1.36826053E-05
19	1.18902526E-05	1.29475898E-05	-1.27038329E-05
20	8.87233989E-06	1.06741333E-05	-1.12969897E-05
21	5.92269834E-06	8.26668556E-06	-9.59198422E-06
22	3.14071809E-06	5.83168209E-06	-7.69674810E-06
23	6.12238155E-07	3.46122856E-06	-5.70427820E-06
24	-1.58638833E-06	1.23774736E-06	-3.69758441E-06
25	-3.38575769E-06	-7.62861386E-07	-1.75320128E-06
26	-4.72202588E-06	-2.46911836E-06	5.63027595E-06
27	-5.53648288E-06	-3.81266512E-06	1.66053357E-06
28	-5.77609224E-06	-4.72763452E-06	2.99001328E-06
29	-5.39522775E-06	-5.15067897E-06	3.97534880E-06

L R	6 33	6 34	6 35
EIGENVALUE	-2.71697562E+01	-2.76272551E+01	-2.80861469E+01
COEFFICIENT			
K			
0	-8.37858370E-04	-1.02977765E-03	1.21029619E-03
1	-4.70084818E-03	4.72898858E-03	-4.67993295E-03
2	-4.88572695E-04	-2.78012313E-04	8.27925764E-05
3	-7.01293935E-04	-6.01904603E-04	4.96362569E-04
4	-5.25667501E-04	-4.84935407E-04	4.34068308E-04
5	-3.62051760E-04	-3.49589487E-04	3.27458188E-04
6	-2.45040129E-04	-2.46218452E-04	2.39212188E-04
7	-1.64960517E-04	-1.72613199E-04	1.73639054E-04
8	-1.10206297E-04	-1.20694690E-04	1.25939413E-04
9	-7.23952394E-05	-8.38143963E-05	9.11569636E-05
10	-4.59896570E-05	-5.73226966E-05	6.55478915E-05
11	-2.73864548E-05	-3.80883870E-05	4.64836304E-05
12	-1.42247465E-05	-2.40092554E-05	3.21501804E-05
13	-4.93428984E-06	-1.36606787E-05	2.12931722E-05
14	1.54817764E-06	-6.06337204E-06	1.30367547E-05
15	5.95653320E-06	-5.33105021E-07	6.76134406E-06
16	8.80749429E-06	3.41658416E-06	2.02217105E-06
17	1.04725552E-05	6.13795316E-06	-1.50510338E-06
18	1.12248469E-05	7.89113285E-06	-4.06102055E-06
19	1.12701706E-05	8.87239148E-06	-5.82729707E-06
20	1.07678879E-05	9.23341106E-06	-6.94408106E-06
21	9.84520805E-06	9.09463701E-06	-7.52204811E-06
22	8.60711175E-06	8.55466724E-06	-7.65100761E-06
23	7.14334919E-06	7.69696034E-06	-7.40612276E-06
24	5.53345140E-06	6.59470831E-06	-6.85248218E-06
25	3.85037614E-06	5.31444097E-06	-6.04852412E-06
26	2.16320659E-06	3.91874896E-06	-5.048655873E-06
27	5.39188144E-07	2.46839476E-06	-3.90533218E-06
28	-9.54698955E-07	1.02400401E-06	-2.67070917E-06
29	-2.25049168E-06	-3.52519198E-07	-1.39810824E-06

L R	6 36	6 37	6 38
EIGENVALUE	-2.85469791E+01	-2.90102248E+01	-2.94761898E+01
COEFFICIENT			
K			
0	-1.37258510E-03	1.51352196E-03	-1.63398519E-03
1	4.56095677E-03	-4.38843509E-03	4.18332768E-03
2	9.11012618E-05	-2.40050461E-04	3.63471025E-04
3	-3.90035473E-04	2.87956282E-04	-1.93844105E-04
4	-3.76648867E-04	3.16583978E-04	-2.57318243E-04
5	-2.97885670E-04	2.63623374E-04	-2.27367733E-04
6	-2.25334406E-04	2.06456501E-04	-1.84591291E-04
7	-1.68742597E-04	1.59160453E-04	-1.46363428E-04
8	-1.26237596E-04	1.22370728E-04	-1.15393937E-04
9	-9.44451851E-05	9.41319637E-05	-9.09548260E-05
10	-7.05016192E-05	7.23974703E-05	-7.17289337E-05
11	-5.22840743E-05	5.55279577E-05	-5.65198154E-05
12	-3.82784529E-05	4.23037802E-05	-4.43834569E-05
13	-2.74135255E-05	3.18380274E-05	-3.46088354E-05
14	-1.89284349E-05	2.34882988E-05	-2.66687747E-05
15	-1.22778182E-05	1.67873406E-05	-2.01729404E-05
16	-7.06621629E-06	1.13925630E-05	-1.48316412E-05
17	-3.00312676E-06	7.05026613E-06	-1.04283185E-05
18	1.27881251E-07	3.57045556E-06	-6.79978364E-06
19	2.49056521E-06	8.09064239E-07	-3.82193266E-06
20	4.21100074E-06	-1.34469590E-06	-1.39932934E-06
21	5.38821988E-06	-2.97742801E-06	5.42309380E-07
22	6.10186647E-06	-4.15817127E-06	2.06171978E-06
23	6.41778868E-06	-4.94328972E-06	3.20624598E-06
24	6.39219292E-06	-5.38014013E-06	4.01500321E-06
25	6.07478768E-06	-5.50987445E-06	4.52130963E-06
26	5.51121623E-06	-5.36962752E-06	4.75460363E-06
27	4.74499080E-06	-4.99427023E-06	4.74199069E-06
28	3.81908404E-06	-4.41786082E-06	4.50953023E-06
29	2.77729675E-06	-3.67489594E-06	4.08334710E-06

L R	6 39	6 40	6 41
EIGENVALUE	-2.99449854E+01	-3.04165536E+01	-3.08907182E+01
COEFFICIENT			
K			
0	-1.73799927E-03	-1.83146008E-03	-1.92111204E-03
1	3.96628158E-03	3.75443176E-03	3.56040793E-03
2	4.63457885E-04	5.43848458E-04	6.09266173E-04
3	-1.09671960E-04	-3.57960365E-05	2.86130336E-05
4	-2.01311960E-04	-1.49913346E-04	-1.03518684E-04
5	-1.91295389E-04	-1.56860408E-04	-1.24822759E-04
6	-1.61508541E-04	-1.38521305E-04	-1.16450062E-04
7	-1.31746119E-04	-1.16425436E-04	-1.01173813E-04
8	-1.06387992E-04	-9.62776832E-05	-8.57514059E-05
9	-8.57391951E-05	-7.92383952E-05	-7.20488693E-05
10	-6.91147487E-05	-6.51599751E-05	-6.03719907E-05
11	-5.57105874E-05	-5.35784019E-05	-5.05482590E-05
12	-4.48314562E-05	-4.40173705E-05	-4.22914555E-05
13	-3.59277100E-05	-3.60711020E-05	-3.53220241E-05
14	-2.85790192E-05	-2.94157590E-05	-2.94015468E-05
15	-2.24677215E-05	-2.37997053E-05	-2.43372761E-05
16	-1.73542937E-05	-1.90294855E-05	-1.99770884E-05
17	-1.30577145E-05	-1.49568500E-05	-1.62022544E-05
18	-9.44053606E-06	-1.14681371E-05	-1.29205714E-05
19	-6.39776054E-06	-8.47599368E-06	-1.00605788E-05
20	-3.84859586E-06	-5.91304454E-06	-7.56691785E-06
21	-1.73033091E-06	-3.72707832E-06	-5.39668544E-06
22	6.24759878E-09	-1.87737926E-06	-3.51658633E-06
23	1.40032082E-06	-3.31911538E-07	-1.90070535E-06
24	2.48369348E-06	9.34865702E-07	-5.28751322E-07
25	3.28286204E-06	1.94371865E-06	6.15343650E-07
26	3.82065676E-06	2.71201760E-06	1.54455938E-06
27	4.11757632E-06	3.25486631E-06	2.26972604E-06
28	4.19290378E-06	3.58605188E-06	2.80031906E-06
29	4.06567235E-06	3.71886925E-06	3.14515227E-06

R	6 42	6 43	6 44
EIGENVALUE	-3.13672351E+01	-3.18458282E+01	-3.23262092E+01
COEFFICIENT			
K	2.01407591E-03	-2.11794278E-03	2.24138646E-03
1	-3.39292938E-03	3.25815458E-03	-3.16126030E-03
2	-6.64472658E-04	7.14098375E-04	-7.62698350E-04
3	-8.51133457E-05	1.35664055E-04	-1.82473172E-04
4	6.18388880E-05	-2.41390209E-05	-1.06099865E-05
5	9.53936242E-05	-6.83957901E-05	4.33831917E-05
6	9.56941699E-05	-7.63353438E-05	5.82258876E-05
7	8.64445417E-05	-7.24402166E-05	5.91670561E-05
8	7.52593464E-05	-6.50502530E-05	5.52152194E-05
9	6.45909676E-05	-5.71266327E-05	4.97885295E-05
10	5.51306105E-05	-4.96923174E-05	4.42082328E-05
11	4.69558908E-05	-4.30424690E-05	3.89640330E-05
12	3.99452071E-05	-3.71993596E-05	3.42067478E-05
13	3.39291674E-05	-3.20903060E-05	2.99501111E-05
14	2.87444029E-05	-2.76180851E-05	2.61560445E-05
15	2.42501953E-05	-2.36879942E-05	2.27710249E-05
16	2.03310988E-05	-2.02171145E-05	1.97412617E-05
17	1.68946563E-05	-1.71363263E-05	1.70185385E-05
18	1.38677799E-05	-1.43895244E-05	1.45619487E-05
19	1.11931402E-05	-1.19319099E-05	1.23378805E-05
20	8.82600817E-06	-9.72813271E-06	1.03193180E-05
21	6.73163711E-06	-7.75058023E-06	8.48493632E-06
22	4.88314199E-06	-5.97789936E-06	6.81819724E-06
23	3.25979543E-06	-4.39375681E-06	5.30652383E-06
24	1.84565579E-06	-2.98580945E-06	3.94057655E-06
25	6.28454371E-07	-1.74484864E-06	2.71362781E-06
26	-4.01319162E-07	-6.64083388E-07	1.62102229E-06
27	-1.25118166E-06	2.61468573E-07	6.59707738E-07
28	-1.92731036E-06	1.03550802E-06	-1.72178773E-07
29	-2.43511695E-06	1.66092156E-06	-8.75683034E-07

R	6 45	6 46	6 47
EIGENVALUE	-3.28080807E+01	-3.32911246E+01	-3.37749683E+01
COEFFICIENT			
K	2.39536205E-03	-2.59523121E-03	-2.86471686E-03
1	-3.10813016E-03	3.10740163E-03	3.17357469E-03
2	-8.15085309E-04	8.76982658E-04	9.56221254E-04
3	-2.28022404E-04	2.75287147E-04	3.28246223E-04
4	-4.36851839E-05	7.66845310E-05	-1.11767042E-04
5	1.96977310E-05	3.54877123E-06	2.75957444E-05
6	4.10399541E-05	-2.42765246E-05	-7.19548941E-06
7	4.64856837E-05	-3.41171780E-05	-2.16093127E-05
8	4.57205444E-05	-3.64198719E-05	-2.70351574E-05
9	4.26048272E-05	-3.55105998E-05	-2.83372914E-05
10	3.87420707E-05	-3.32797973E-05	-2.77237297E-05
11	3.48037615E-05	-3.05795509E-05	-2.62405697E-05
12	3.10598778E-05	-2.77963881E-05	-2.43968036E-05
13	2.76038425E-05	-2.51008007E-05	-2.24425402E-05
14	2.44519262E-05	-2.25611802E-05	-2.04993018E-05
15	2.15883525E-05	-2.01977173E-05	-1.86235539E-05
16	1.89859803E-05	-1.80085352E-05	-1.69386804E-05
17	1.66156834E-05	-1.59825285E-05	-1.51514654E-05
18	1.44504061E-05	-1.41056650E-05	-1.35607270E-05
19	1.24667003E-05	-1.23640133E-05	-1.20618709E-05
20	1.06450849E-05	-1.07451115E-05	-1.06492835E-05
21	8.96987738E-06	-9.23849669E-06	-9.31756035E-06
22	7.42881074E-06	-7.83581269E-06	-8.06210374E-06
23	6.01258463E-06	-6.53071518E-06	-6.97937552E-06
24	4.71441903E-06	-5.31868397E-06	-5.76696294E-06
25	3.52963726E-06	-4.19680005E-06	-4.72354380E-06
26	2.45528667E-06	-3.16351457E-06	-3.74879821E-06
27	1.48979573E-06	-2.21842232E-06	-2.84329311E-06
28	6.32662429E-07	-1.36204371E-06	-2.00835282E-06
29	-1.15832612E-07	-5.95615533E-07	-1.24592253E-06

K	6			
	48	49	50	
R	EIGENVALUE	-3.42591104E+01	-3.47427451E+01	-3.52242957E+01
0	COEFFICIENT	-3.24392405E-03	3.80722334E-03	4.70613427E-03
1		3.33291374E-03	-3.63548616E-03	-4.18549779E-03
2		1.06510174E-03	-1.22556425E-03	-1.48140693E-03
3		3.92963443E-04	-4.80011322E-04	-6.10279680E-04
4		1.52206259E-04	-2.03664950E-04	-2.77298081E-04
5		5.43418228E-05	-8.70763509E-05	-1.32291464E-04
6		1.13650514E-05	-3.34379578E-05	-6.30615047E-05
7		-8.22249725E-06	-7.36136469E-06	-2.77899176E-05
8		-1.70823965E-05	5.67434613E-06	-9.00003410E-06
9		-2.07625661E-05	1.21715684E-05	1.28205359E-06
10		-2.18575498E-05	1.52456010E-05	6.95411855E-06
11		-2.16420867E-05	1.64703722E-05	1.00296801E-05
12		-2.07658691E-05	1.66751955E-05	1.15967587E-05
13		-1.95685946E-05	1.63117702E-05	1.22654791E-05
14		-1.82305631E-05	1.56325330E-05	1.23886763E-05
15		-1.68478023E-05	1.47813026E-05	1.21757132E-05
16		-1.54709200E-05	1.38411254E-05	1.17535448E-05
17		-1.41257896E-05	1.28603541E-05	1.12006034E-05
18		-1.28248262E-05	1.18672572E-05	1.05661620E-05
19		-1.15732458E-05	1.08783943E-05	9.88168738E-06
20		-1.03725837E-05	9.90351178E-06	9.16764735E-06
21		-9.22268465E-06	8.94844951E-06	8.43767457E-06
22		-8.12292433E-06	8.01688664E-06	7.70115637E-06
23		-7.07233219E-06	7.11139755E-06	6.96486927E-06
24		-6.07092275E-06	6.23409038E-06	6.23402224E-06
25		-5.11885563E-06	5.38698940E-06	5.51292752E-06
26		-4.21699367E-06	4.57225731E-06	4.80543290E-06
27		-3.36679964E-06	3.79231609E-06	4.11519834E-06
28		-2.57029524E-06	3.04990202E-06	3.44586928E-06
29		-1.82999609E-06	2.34807691E-06	2.80117982E-06

K	6			
	51	52	53	
R	EIGENVALUE	-3.57000679E+01	-3.64685915E+01	-3.75021358E+01
0	COEFFICIENT	6.24732701E-03	-2.01742578E-02	1.44806352E-02
1		-5.18720815E-03	1.50307002E-02	-9.36273541E-03
2		-1.91939743E-03	5.93808912E-03	-4.00088308E-03
3		-8.25619595E-04	2.71004896E-03	-1.94840154E-03
4		-3.95764615E-04	1.38915622E-03	-1.06751345E-03
5		-2.03395678E-04	7.75358181E-04	-6.40792103E-04
6		-1.08741846E-04	4.61249006E-04	-4.13383469E-04
7		-5.87691819E-05	2.88072003E-04	-2.82689697E-04
8		-3.09472605E-05	1.86767191E-04	-2.02826209E-04
9		-1.48275415E-05	1.24570405E-04	-1.51459304E-04
10		-5.21539205E-06	8.48151605E-05	-1.16943316E-04
11		6.21721674E-07	5.85243355E-05	-9.28491649E-05
12		4.18984874E-06	4.06254186E-05	-7.54526630E-05
13		6.35221928E-06	2.81330404E-05	-6.25057456E-05
14		7.62038626E-06	1.92273673E-05	-5.26020403E-05
15		8.30632726E-06	1.27645147E-05	-4.48337866E-05
16		8.60513346E-06	8.00577618E-06	-3.85986955E-05
17		8.64154701E-06	4.46249646E-06	-3.34873070E-05
18		8.49696140E-06	1.80437990E-06	-2.92152037E-05
19		8.22551485E-06	-1.96236105E-07	-2.55810565E-05
20		7.86391627E-06	-1.69911053E-06	-2.24399936E-05
21		7.43757532E-06	-2.81824058E-06	-1.96863027E-05
22		6.96450177E-06	-3.63627508E-06	-1.72419567E-05
23		6.45782931E-06	-4.21407830E-06	-1.50488536E-05
24		5.92747454E-06	-4.59718941E-06	-1.30634715E-05
25		5.38124220E-06	-4.82025785E-06	-1.12531242E-05
26		4.82556959E-06	-4.91013621E-06	-9.59329380E-06
27		4.26603171E-06	-4.88806846E-06	-8.06570073E-06
28		3.70768529E-06	-4.77125913E-06	-6.65688284E-06
29		3.15530212E-06	-4.57401286E-06	-5.35713266E-06

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L	6	6	6
R	54	55	56
EIGENVALUE	-4.18260964E+01	-5.22991838E+01	-6.82471851E+01
COEFFICIENT			
K			
0	2.87008988E-03	-7.57179040E-04	1.17009931E-01
1	-1.04307800E-03	3.32017698E-05	1.75072695E-02
2	-5.81699113E-04	5.37836621E-05	4.83392806E-03
3	-3.39049918E-04	4.26206376E-05	1.76114877E-03
4	-2.17174526E-04	3.29466413E-05	7.56798943E-04
5	-1.50759613E-04	2.62802310E-05	3.63688969E-04
6	-1.11621687E-04	2.17449115E-05	1.89696632E-04
7	-8.69914326E-05	1.85927825E-05	1.05407640E-04
8	-7.06210861E-05	1.63424214E-05	6.16220042E-05
9	-5.92299526E-05	1.46944316E-05	3.75667670E-05
10	-5.09873134E-05	1.34602154E-05	2.37266030E-05
11	-4.48170757E-05	1.25179408E-05	1.54477070E-05
12	-4.00578103E-05	1.17866799E-05	1.03274353E-05
13	-3.62868966E-05	1.12111763E-05	7.06747565E-06
14	-3.32249841E-05	1.07527031E-05	4.93828416E-06
15	-3.06818181E-05	1.03834433E-05	3.51574435E-06
16	-2.85243459E-05	1.00829502E-05	2.54581919E-06
17	-2.66573049E-05	9.83586429E-06	1.87225526E-06
18	-2.50110544E-05	9.63040712E-06	1.39663491E-06
19	-2.35337455E-05	9.45736722E-06	1.05562810E-06
20	-2.21861612E-05	9.30940432E-06	8.07684335E-07
21	-2.09382445E-05	9.18056357E-06	6.25055783E-07
22	-1.97667169E-05	9.06593130E-06	4.88909098E-07
23	-1.86534179E-05	8.96138767E-06	3.86269175E-07
24	-1.75841283E-05	8.86342693E-06	3.08072669E-07
25	-1.65477250E-05	8.76902563E-06	2.47907079E-07
26	-1.55355680E-05	8.67554523E-06	2.01181034E-07
27	-1.45410476E-05	8.58065999E-06	1.64570302E-07
28	-1.35592496E-05	8.48230341E-06	1.35642864E-07
29	-1.25867026E-05	8.37862873E-06	1.12601951E-07

L	7	7	7
R	0	1	2
EIGENVALUE	-1.93201706E+01	-1.94706611E+01	-1.96425577E+01
COEFFICIENT			
K			
0	-2.85582697E-09	1.97553101E-09	2.01246133E-08
1	-3.82703337E-09	4.55962624E-09	2.27424335E-08
2	-5.53533107E-09	8.34838316E-09	2.94570993E-08
3	-9.15366794E-09	1.51553036E-08	4.74715185E-08
4	-1.84727258E-08	3.13699897E-08	1.01375154E-07
5	-4.90489796E-08	8.56800045E-08	3.09186961E-07
6	-1.98456482E-07	3.92926958E-07	1.80335278E-06
7	-2.14347151E-06	1.23282541E-05	-3.60521852E-05
8	-1.96704375E-05	-5.17899220E-05	8.13825197E-05
9	-5.04324880E-05	6.99372913E-05	-4.69460635E-05
10	-6.19522637E-05	-2.24282881E-05	-2.78276612E-05
11	-4.03429797E-05	-3.15989420E-05	2.32448071E-05
12	-1.32068629E-05	3.29154430E-05	-2.28120652E-05
13	-1.57156821E-06	-1.07551487E-05	-2.59758608E-05
14	-4.23855692E-08	7.92232191E-07	7.13658411E-06
15	-5.74012493E-09	6.02453868E-08	-1.39294589E-07
16	-1.26552585E-09	1.08367649E-08	-1.70889779E-08
17	-3.69039050E-10	2.79614934E-09	-3.68928387E-09
18	-1.31075016E-10	8.97932709E-10	-1.03336311E-09
19	-5.42276043E-11	3.37944551E-10	-3.37579782E-10
20	-2.52565468E-11	1.44776173E-10	-1.23899682E-10
21	-1.28241287E-11	6.93375276E-11	-5.15160850E-11
22	-6.88772591E-12	3.64936369E-11	-2.51658112E-11
23	-3.81180492E-12	2.06944731E-11	-1.47540436E-11
24	-2.12677048E-12	1.23816125E-11	-1.00534147E-11
25	-1.17375905E-12	7.66797451E-12	-7.46853165E-12
26	-6.28248875E-13	4.84032991E-12	-5.73378459E-12
27	-3.17404402E-13	3.07881208E-12	-4.41337667E-12
28	-1.43740985E-13	1.95712111E-12	-3.35926363E-12
29	-5.02550481E-14	1.23576543E-12	-2.51543334E-12

EIGENVALUE	7 3	7 4	7 5
-1.98348686E+01	-2.00465520E+01	-2.02765383E+01	
COEFFICIENT			
-5.51293389E-08	-4.07135014E-08	8.71783551E-08	
-7.50084948E-08	-7.29758945E-08	8.37843759E-08	
-1.11722364E-07	-1.25957695E-07	9.39885422E-08	
-1.94418562E-07	-2.35722806E-07	1.45865994E-07	
-4.31101905E-07	-5.47269509E-07	3.52868850E-07	
-1.40918947E-06	-1.97857006E-06	1.56546723E-06	
-1.15237053E-05	-3.37517825E-05	-6.87424435E-05	
-7.07104366E-05	1.03596411E-04	-1.18683735E-04	
-8.67521189E-05	-5.99485382E-05	-1.29608451E-05	
-9.49113036E-07	-3.86945926E-05	-4.46714237E-05	
3.71636401E-05	9.59034055E-06	-2.14192780E-05	
1.57619487E-05	2.71607330E-05	7.79033130E-06	
-1.74434513E-05	1.31059719E-05	2.02939600E-05	
-2.04304727E-05	-1.14047688E-05	1.28253980E-05	
1.99964870E-05	-1.94289984E-05	-5.87873755E-06	
-4.04817751E-08	1.47420765E-05	-1.81905190E-05	
-1.40704245E-07	-1.88821853E-06	1.02651387E-05	
-2.37369221E-08	-1.60988490E-07	-6.07860890E-07	
-6.24137332E-09	-3.33621562E-08	-7.91651182E-08	
-2.11362775E-09	-9.74931936E-09	-1.89814215E-08	
-8.53360249E-10	-3.50508222E-09	-5.98922123E-09	
-3.91851041E-10	-1.46486642E-09	-2.25224305E-09	
-1.97056492E-10	-6.89582355E-10	-9.72378015E-10	
-1.06054814E-10	-3.56945482E-10	-4.74421473E-10	
-5.77776844E-11	-1.98661798E-10	-2.58212761E-10	
-3.20500716E-11	-1.16415849E-10	-1.53868228E-10	
-1.75761706E-11	-7.05329166E-11	-9.80274641E-11	
-9.32599305E-12	-4.35421947E-11	-6.52176240E-11	
-4.64161251E-12	-2.70838009E-11	-4.44554490E-11	
-2.03437441E-12	-1.68298540E-11	-3.06304556E-11	

EIGENVALUE	7 6	7 7	7 8
-2.05237497E+01	-2.07871164E+01	-2.10655901E+01	
COEFFICIENT			
-2.94972301E-07	4.18532777E-07	2.53905635E-07	
-3.78928490E-07	6.06730344E-07	4.67510342E-07	
-5.58625500E-07	9.76527079E-07	8.56820401E-07	
-1.025559410E-06	1.90723192E-06	1.80806919E-06	
-2.66092029E-06	5.34267932E-06	5.56647700E-06	
-1.41304171E-05	3.93839873E-05	7.73197522E-05	
-1.09782410E-04	-1.45312578E-04	-1.63894165E-04	
-1.06441814E-04	6.90838243E-05	1.86386014E-05	
-3.17928188E-05	5.58761668E-05	5.33376675E-05	
2.22499220E-05	9.64838865E-06	3.22477622E-05	
3.11275359E-05	-1.79334635E-05	4.60299749E-06	
1.55361774E-05	-2.27046884E-05	-1.26089833E-05	
-4.02396300E-06	-1.32617865E-05	-1.70282983E-05	
-1.50221587E-05	4.59246028E-07	-1.19484195E-05	
-1.26596589E-05	1.05486032E-05	-2.36130357E-06	
1.12146525E-06	1.19187813E-05	6.65341792E-06	
1.63422000E-05	2.67120438E-06	1.05238554E-05	
-6.67466579E-06	-1.40035888E-05	5.40591534E-06	
-1.31424926E-08	3.99332020E-06	-1.14510028E-05	
-2.94872418E-09	2.21482895E-07	2.13740276E-06	
-1.19954022E-09	4.66753901E-08	2.17914336E-07	
-6.22335883E-10	1.45221596E-08	5.26323181E-08	
-3.48850418E-10	5.62416720E-09	1.75252226E-08	
-1.94802950E-10	2.52226526E-09	7.06603998E-09	
-1.02744300E-10	1.25278671E-09	3.26212518E-09	
-4.77149207E-11	6.66519967E-10	1.66711545E-09	
-1.59187591E-11	3.69909745E-10	9.19036648E-10	
1.28552429E-12	2.09667347E-10	5.34775197E-10	
9.54870984E-12	1.19270457E-10	3.22586208E-10	
1.25665002E-11	6.70145078E-11	1.98838117E-10	

L R	7		
	9	10	11
EIGENVALUE	-2.13581546E+01	-2.16639336E+01	-2.19816962E+01
COEFFICIENT			
K			
0	2.89364511E-07	-1.08631926E-06	1.81501794E-06
1	2.23001695E-07	-1.36115873E-06	2.53558452E-06
2	1.75476017E-07	-2.06447616E-06	4.21345585E-06
3	2.01443638E-07	-4.31413306E-06	9.55056719E-06
4	6.31786070E-07	-1.69610807E-05	4.54785631E-05
5	-1.23469287E-04	1.70082871E-04	-2.08496824E-04
6	1.56858548E-04	-1.30377101E-04	8.46212264E-05
7	2.94175148E-05	-6.25637683E-05	7.47982713E-05
8	-3.03238630E-05	8.02944357E-07	-2.79751061E-05
9	-3.66318468E-05	2.46345888E-05	-4.34557710E-06
10	-2.17240046E-05	2.59666162E-05	-1.81317266E-05
11	-4.13062365E-06	1.64479514E-05	-1.90811907E-05
12	8.08330918E-06	4.73475795E-06	-1.33036178E-05
13	1.27469228E-05	-4.50193248E-06	-5.36522811E-06
14	1.07112835E-05	-9.27801558E-06	1.76836411E-06
15	4.31411653E-06	-9.31379666E-06	6.39744055E-06
16	-3.34839650E-06	-5.43815645E-06	7.76688291E-06
17	-8.64557230E-06	6.88612123E-07	5.85520925E-06
18	-7.11561030E-06	6.52996751E-06	1.30592159E-06
19	6.95350128E-06	7.93462703E-06	-4.40773453E-06
20	-9.54593830E-07	-6.70428212E-06	-8.05299329E-06
21	-1.35617387E-07	2.71354692E-07	4.80759009E-06
22	-3.63661364E-08	4.73934987E-08	7.22528039E-08
23	-1.28137451E-08	1.35340566E-08	1.63820175E-08
24	-5.36757407E-09	4.88072376E-09	5.81915705E-09
25	-2.56138282E-09	2.07498497E-09	2.56307820E-09
26	-1.35706173E-09	1.02007283E-09	1.25831753E-09
27	-7.81144358E-10	5.73534553E-10	6.43958096E-10
28	-4.78473332E-10	3.60957935E-10	3.26026345E-10
29	-3.06030886E-10	2.46296410E-10	1.53843948E-10

L R	7		
	12	13	14
EIGENVALUE	-2.23108606E+01	-2.26504972E+01	-2.29998295E+01
COEFFICIENT			
K			
0	2.08048304E-06	1.57424171E-06	-1.96420476E-07
1	3.16825640E-06	2.73658195E-06	-9.73378488E-07
2	5.64128006E-06	5.31924381E-06	-2.53608660E-06
3	1.37847987E-05	1.41909845E-05	-7.90325339E-06
4	8.57793401E-05	1.34994736E-04	-1.88457666E-04
5	-2.31538762E-04	-2.35122378E-04	2.18737749E-04
6	3.11051382E-05	-2.03276103E-05	6.18113670E-05
7	6.68783427E-05	4.43319822E-05	-1.47274856E-05
8	4.35151941E-05	4.51981329E-05	-3.51616916E-05
9	1.52669061E-05	2.79200165E-05	-3.11884869E-05
10	-3.89727032E-06	1.02399346E-05	-1.96378628E-05
11	-1.29224450E-05	-2.29456069E-06	-8.04897148E-06
12	-1.43151884E-05	-8.96944744E-06	7.16901367E-07
13	-1.10630265E-05	-1.07940860E-05	5.99128766E-06
14	-5.72195267E-06	-9.24043713E-06	8.07395822E-06
15	-2.35538711E-07	-5.76042325E-06	7.65081454E-06
16	4.02276469E-06	-1.62425324E-06	5.52637085E-06
17	6.16450305E-06	2.11455856E-06	2.50808699E-06
18	5.72519238E-06	4.61081814E-06	-6.36710252E-07
19	2.66837211E-06	5.21403577E-06	-3.18947360E-06
20	-2.45319919E-06	3.47528931E-06	-4.47220117E-06
21	-7.67307241E-06	-7.74278925E-07	-3.82789145E-06
22	3.29334220E-06	-6.97920025E-06	-5.80367849E-07
23	2.04940196E-07	2.14096121E-06	6.12177434E-06
24	4.99234120E-08	2.20108225E-07	-1.30207673E-06
25	1.75543523E-08	5.87992211E-08	-1.79648688E-07
26	7.51092771E-09	2.15918003E-08	-5.18620215E-08
27	3.63574724E-09	9.49001770E-09	-1.98542696E-08
28	1.90608207E-09	4.70034335E-09	-8.98474044E-09
29	1.04964762E-09	2.53049165E-09	-4.56571945E-09

K	R	7		
		15	16	17
	EIGENVALUE	-2.33581331E+01	-2.37247325E+01	-2.40990001E+01
	COEFFICIENT			
1		1.90038235E-06	4.34674699E-06	-6.64579711E-06
2		2.02692164E-06	5.81581579E-06	-9.68933547E-06
3		2.84044179E-06	1.02699402E-05	-1.86090203E-05
4		7.34993014E-06	3.28070024E-05	-6.84957114E-05
5		-2.40705372E-04	-2.86481575E-04	3.21505053E-04
6		1.85000024E-04	1.38643464E-04	-8.53638727E-05
7		8.86330279E-05	9.93555156E-05	-9.52318192E-05
8		1.46862450E-05	3.84533318E-05	-5.34668332E-05
9		-1.79305130E-05	1.47058840E-06	-1.88216119E-05
10		-2.59400629E-05	-1.49995125E-05	1.79289862E-06
11		-2.24056043E-05	-1.90293299E-05	1.14358385E-05
12		-1.47997844E-05	-1.66659655E-05	1.40562092E-05
13		-6.93437421E-06	-1.16767996E-06	1.27106823E-05
14		-5.44878525E-07	-6.22364725E-06	9.47064893E-06
15		3.75139009E-06	-1.45844826E-06	5.65541067E-06
16		5.92176812E-06	2.07707923E-06	2.06589121E-06
17		6.23128647E-06	4.20507480E-06	-8.41783984E-07
18		5.09266482E-06	4.96555617E-06	-2.83936035E-06
19		2.99174384E-06	4.53290599E-06	-3.85156024E-06
20		4.55401410E-07	3.17110539E-06	-3.91042133E-06
21		-1.95419045E-06	1.21469249E-06	-3.13017158E-06
22		-3.62309257E-06	-9.30013998E-07	-1.69802280E-06
23		-3.83422022E-06	-2.75933733E-06	1.19189086E-07
24		-1.60692656E-06	-3.59605832E-06	1.94435584E-06
25		5.21273348E-06	-2.33094901E-06	3.20123553E-06
26		-7.17799649E-07	4.32821589E-06	-2.79402283E-06
27		-1.20944729E-07	-3.29892679E-07	-3.51475548E-06
28		-3.72104839E-08	-6.41444300E-08	8.68382713E-08
29		-1.47721658E-08	-2.07178880E-08	1.82981152E-08
		-6.87258701E-09	-8.46015033E-09	5.92726343E-09

K	R	7		
		18	19	20
	EIGENVALUE	-2.44803548E+01	-2.48682631E+01	-2.52622382E+01
	COEFFICIENT			
1		-8.28162420E-06	-8.81735010E-06	7.96478687E-06
2		-1.28345369E-05	-1.44808526E-05	1.40249508E-05
3		-2.62955689E-05	-3.15852613E-05	3.27854775E-05
4		-1.13294291E-04	-1.65162066E-04	2.21460644E-04
5		3.42910294E-04	3.49376962E-04	-3.41021830E-04
6		-3.06040304E-05	2.01704411E-05	-6.38795161E-05
7		-7.92973685E-05	-5.54455665E-05	2.76648499E-05
8		-5.88395451E-05	-5.53935590E-05	4.50255661E-05
9		-3.13377971E-05	-3.77597309E-05	3.81107109E-05
10		-1.06365929E-05	-2.01481603E-05	2.56354040E-05
11		2.03302735E-06	-6.99544202E-06	1.40739479E-05
12		8.39284608E-06	1.42749840E-06	5.25656989E-06
13		1.04507163E-05	6.00595023E-06	-6.86485342E-07
14		9.84991408E-06	7.79025705E-06	-4.18487987E-06
15		7.79641406E-06	7.69914065E-06	-5.79333067E-06
16		6.13209520E-06	6.45978572E-06	-6.03550137E-06
17		2.42604950E-06	4.62290715E-06	-5.35761337E-06
18		5.05020307E-08	2.59587985E-06	-4.12367363E-06
19		-1.76354973E-06	6.74928632E-07	2.62477482E-06
20		-2.88825129E-06	-9.28975141E-07	-1.09151909E-06
21		-3.27461589E-06	-2.07120862E-06	2.94560818E-07
22		-2.93929954E-06	-2.66101372E-06	1.39196970E-06
23		-1.96145898E-06	-2.65494854E-06	2.09301133E-06
24		-4.91778065E-07	-2.05667841E-06	2.32060235E-06
25		1.21682888E-06	-9.25690737E-07	2.02885589E-06
26		2.72044712E-06	5.96214671E-07	1.20962703E-06
27		3.04378302E-06	2.20721750E-06	-8.81063970E-08
28		-2.79647780E-06	3.12728642E-06	-1.69968263E-06
29		-5.37150740E-08	-2.18180331E-06	-3.08718174E-06
		-1.40662545E-08	-1.24748382E-07	1.66896588E-06



L R	7 21	7 22	7 23
EIGENVALUE	-2.56618358E+01	-2.60666480E+01	-2.64762960E+01
COEFFICIENT			
K	-5.61892904E-06	1.85910134E-06	3.07575614E-06
0	-1.11121345E-05	5.66993016E-06	2.10071940E-06
1	-2.84478653E-05	1.74980129E-05	7.03016568E-07
2	-2.79296744E-04	3.35832256E-04	-3.88522827E-04
3	3.19138025E-04	-2.85856508E-04	2.43791977E-04
4	9.79663357E-05	-1.21333630E-04	1.33949959E-04
5	4.94396969E-07	-2.62246774E-05	4.75742062E-05
6	-3.01150895E-05	1.30596035E-05	4.03586269E-06
7	-2.69066822E-05	2.47630211E-05	-1.40350966E-05
8	-1.83470188E-05	2.44421220E-05	-1.91224577E-05
9	-1.05146318E-05	1.96104764E-05	-1.81496682E-05
10	-4.34601594E-06	1.37196009E-05	-1.47132998E-05
11	3.28583999E-08	8.26306673E-06	-1.06184359E-05
12	2.81026350E-06	3.80551638E-06	-6.73177120E-06
13	4.27430692E-06	4.78855118E-07	-3.43309805E-06
14	4.72334190E-06	-1.77876099E-06	-8.51824117E-07
15	4.43171689E-06	-3.10825365E-06	1.00913048E-06
16	3.63969440E-06	-3.67547434E-06	2.20844517E-06
17	2.55343573E-06	-3.64666783E-06	2.83263328E-06
18	1.34867542E-06	-3.17838674E-06	2.97880614E-06
19	1.75238449E-07	-2.41434700E-06	2.74625718E-06
20	-8.38848022E-07	-1.48548284E-06	2.23275516E-06
21	-1.58421711E-06	-5.11338343E-07	1.53334247E-06
22	-1.96837387E-06	3.98127768E-07	7.40460719E-07
23	-1.91581307E-06	1.14078394E-06	-5.52096810E-08
24	-1.37140637E-06	1.62086750E-06	-7.63482027E-07
25	-3.11193143E-07	1.74804014E-06	-1.29303216E-06
26	1.22316229E-06	1.43733370E-06	-1.54923979E-06
27	2.95991237E-06	6.11068515E-07	-1.43090517E-06
28		-7.92865290E-07	-8.23902670E-07
29			

L R	7 24	7 25	7 26
EIGENVALUE	-2.68904229E+01	-2.73086915E+01	-2.77307845E+01
COEFFICIENT			
K	-8.82734181E-06	-1.49635126E-05	-2.10213454E-05
0	-1.17647791E-05	-2.27087182E-05	-3.42000637E-05
1	-2.63562300E-05	-5.92626363E-05	-9.88806889E-05
2	4.35265352E-04	4.74456716E-04	5.04985250E-04
3	-1.95723388E-04	-1.44343822E-04	-9.20941160E-05
4	-1.36590279E-04	-1.30565569E-04	-1.17481926E-04
5	-6.34177896E-05	-7.33388653E-05	-7.74712556E-05
6	-1.95276299E-05	-3.22819699E-05	-4.16469535E-05
7	2.59038553E-06	-8.34902729E-06	-1.78696602E-05
8	1.19889095E-05	4.06288636E-06	-3.76855725E-06
9	1.45525022E-05	9.54081389E-06	3.84159158E-06
10	1.36917996E-05	1.10730040E-05	7.37727864E-06
11	1.13077813E-05	1.04834628E-05	8.45870326E-06
12	8.43532247E-06	8.85765779E-06	8.12721088E-06
13	5.62120839E-06	6.83169548E-06	7.04075003E-06
14	3.13846523E-06	4.77163345E-06	5.61119523E-06
15	1.10688197E-06	2.88149775E-06	4.09395270E-06
16	-4.39199015E-07	1.26784508E-06	2.64491395E-06
17	-1.51270041E-06	-2.16588389E-08	1.35634892E-06
18	-2.15234949E-06	-9.75157376E-07	2.79490626E-07
19	-2.41073720E-06	-1.60280728E-06	-5.61253703E-07
20	-2.34784598E-06	-1.92859583E-06	-1.15937913E-06
21	-2.02775367E-06	-1.98559286E-06	-1.52072950E-06
22	-1.51721587E-06	-1.81334464E-06	-1.66012499E-06
23	-8.85405115E-07	-1.45665067E-06	-1.59943894E-06
24	-2.04436863E-07	-9.65297647E-07	-1.36668631E-06
25	4.49440609E-07	-3.94555904E-07	-9.95886969E-07
26	9.93874711E-07	1.93555682E-07	-5.27627394E-07
27	1.33715131E-06	7.27978301E-07	-1.04164486E-08
28	1.37219649E-06	1.12450257E-06	4.96797857E-07
29			

LR	7 27	7 28	7 29
EIGENVALUE	-2.81564091E+01	-2.85853027E+01	-2.90172371E+01
COEFFICIENT			
K			
0	-2.65437826E-05	-3.11092156E-05	-3.43550063E-05
1	-4.54434030E-05	-5.56304688E-05	-6.39850372E-05
2	-1.44387771E-04	-1.94739952E-04	-2.48733203E-04
3	5.26186033E-04	5.37788762E-04	5.39875231E-04
4	-4.10739815E-05	6.99006402E-06	5.07449057E-05
5	-9.90512545E-05	-7.69575124E-05	-5.27694050E-05
6	-7.63381257E-05	-7.07107813E-05	-6.14955717E-05
7	-4.73792297E-05	-4.95555269E-05	-4.84863728E-05
8	-2.53721769E-05	-3.05415698E-05	-3.33010221E-05
9	-1.08102933E-05	-1.65751976E-05	-2.07743750E-05
10	-1.89737130E-06	-7.15334184E-06	-1.15462159E-05
11	3.13577320E-06	-1.17098748E-06	-5.14854645E-06
12	5.62213262E-06	2.37198280E-06	-9.28972178E-07
13	6.48884347E-06	4.24179727E-06	1.69166722E-06
14	6.36168305E-06	4.99226987E-06	3.16886228E-06
15	5.65807566E-06	5.01451250E-06	3.84457338E-06
16	4.65511745E-06	4.58288970E-06	3.97076222E-06
17	3.53813902E-06	3.88875767E-06	3.73194955E-06
18	2.42175725E-06	3.06634867E-06	3.26330155E-06
19	1.39037561E-06	2.20960835E-06	2.66417356E-06
20	4.91869956E-07	1.38422506E-06	2.00793976E-06
21	-2.44558434E-07	6.35787614E-07	1.34901585E-06
22	-9.02597694E-07	-4.66329413E-09	7.27829656E-07
23	-1.17709174E-06	-5.16887437E-07	1.74310407E-07
24	-1.37070463E-06	-8.88959408E-07	-2.89691667E-07
25	-1.39277053E-06	-1.11568596E-06	-6.48767354E-07
26	-1.25868378E-06	-1.19769740E-06	-8.92897152E-07
27	-9.89909904E-07	-1.14108156E-06	-1.01686302E-06
28	-6.14617137E-07	-9.57512881E-07	-1.02005872E-06
29	-1.69080464E-07	-6.64920528E-07	-9.06692414E-07

LR	7 30	7 31	7 32
EIGENVALUE	-2.94520208E+01	-2.98894959E+01	-3.03295307E+01
COEFFICIENT			
K			
0	3.59957435E-05	3.58357317E-05	-3.37740674E-05
1	6.98034424E-05	7.24892623E-05	-7.15780846E-05
2	3.05073222E-04	3.62458158E-04	-4.19670487E-04
3	-3.2848476E-04	-5.17403645E-04	4.94486241E-04
4	-8.91990411E-05	-1.21708311E-04	1.47958376E-04
5	2.78850156E-05	3.49562751E-06	1.94380500E-05
6	4.96470014E-05	3.61008153E-05	-2.17215376E-05
7	4.46396812E-05	3.85751756E-05	-3.08880997E-05
8	3.37612233E-05	3.21705711E-05	-2.88679834E-05
9	2.32934630E-05	2.41622254E-05	-2.35210542E-05
10	1.48375709E-05	1.69183071E-05	-1.77891704E-05
11	9.50454291E-06	1.10511700E-05	-1.26981502E-05
12	3.98074795E-06	6.55973545E-06	-8.52185438E-06
13	8.83256258E-07	3.25316902E-06	-5.24767232E-06
14	-1.13054025E-06	9.06524642E-07	-2.76545777E-06
15	-2.33843774E-06	-6.85994853E-07	-9.43436262E-07
16	-9.5682748E-06	-1.69685781E-06	3.42963786E-07
17	-3.15152357E-06	-2.26532217E-06	1.20190286E-06
18	-3.04897232E-06	-2.50210196E-06	1.72387518E-06
19	-2.74574333E-06	-2.49483888E-06	1.98340920E-06
20	-2.31596632E-06	-2.31305710E-06	2.04160957E-06
21	-1.81694657E-06	-2.01224244E-06	1.94868547E-06
22	-1.29332089E-06	-1.63704990E-06	1.74615942E-06
23	-7.80093083E-07	-1.22376110E-06	1.46868356E-06
24	-3.04824521E-07	-8.02134162E-07	1.14548295E-06
25	1.10811943E-07	-3.96773222E-07	8.01475815E-07
26	4.49963625E-07	-2.81201883E-08	4.58124671E-07
27	6.99911936E-07	2.86854795E-07	1.34065547E-07
28	8.51705085E-07	5.34211572E-07	-1.54448122E-07
29	9.00083242E-07	7.02817102E-07	-3.93262078E-07

L	R	7	7	7
		33	34	35
EIGENVALUE				
		-3.07720082E+01	-3.12168140E+01	-3.16638233E+01
COEFFICIENT				
K				
0		2.98007192E-05	2.39835461E-05	-1.64485025E-05
1		6.67473879E-05	5.78085621E-05	-4.46823756E-05
2		4.75665329E-04	5.29637695E-04	-5.81053352E-04
3		-4.65227784E-04	-4.30859263E-04	3.92613667E-04
4		-1.67937321E-04	-1.81892203E-04	1.90268687E-04
5		-4.01977918E-05	-5.83050534E-05	7.35012272E-05
6		7.26230125E-06	-6.66202644E-06	1.95864160E-05
7		2.21613405E-05	1.29269635E-05	-3.63930526E-06
8		2.42391122E-05	1.86774896E-05	-1.25530004E-05
9		2.15863801E-05	1.86170003E-05	-1.48838800E-05
10		1.75367677E-05	1.63073241E-05	-1.42807557E-05
11		1.34389307E-05	1.33323372E-05	-1.24821272E-05
12		9.79767930E-06	1.03815535E-05	-1.03168727E-05
13		6.75827152E-06	7.73408657E-06	-8.17260102E-06
14		4.31694091E-06	5.48048200E-06	-6.22009858E-06
15		2.41348112E-06	3.62645832E-06	-4.52333966E-06
16		9.71666074E-07	2.14193531E-06	-3.09436790E-06
17		-8.37859837E-08	9.84133499E-07	-1.92096592E-06
18		-8.20833839E-07	1.08193239E-07	-9.80618815E-07
19		-1.29843723E-06	-5.28252239E-07	-2.47469237E-07
20		-1.56686845E-06	-9.63414421E-07	3.04342251E-07
21		-1.66876194E-06	-1.23105245E-06	6.99202055E-07
22		-1.64033946E-06	-1.36077708E-06	9.59500305E-07
23		-1.51257133E-06	-1.37858059E-06	1.10557911E-06
24		-1.31218531E-06	-1.30741308E-06	1.15589957E-06
25		-1.06250289E-06	-1.16772392E-06	1.12729561E-06
26		-7.84110997E-07	-9.77935777E-07	1.03524746E-06
27		-4.95387516E-07	-7.54842406E-07	8.94141787E-07
28		-2.12899301E-07	-5.13931459E-07	7.17503806E-07
29		4.83114821E-08	-2.69637483E-07	5.18195926E-07

L	R	7	7	7
		36	37	38
EIGENVALUE				
		-3.21128923E+01	-3.25638524E+01	-3.30165094E+01
COEFFICIENT				
K				
0		7.35720880E-06	-3.11324447E-06	-1.47840634E-05
1		2.73638021E-05	5.88514398E-06	-1.97129844E-05
2		6.29636057E-04	6.75313570E-04	7.18131821E-04
3		-3.51634704E-04	-3.08907783E-04	-2.65223003E-04
4		-1.93639496E-04	-1.92631650E-04	-1.87862758E-04
5		-8.57121718E-05	-9.50020569E-05	-1.01523701E-04
6		-3.11913875E-05	-4.12850005E-05	-4.97755809E-05
7		-5.33875331E-06	-1.37365449E-05	-2.13657016E-05
8		6.18995828E-06	-1.44171236E-07	-6.24010596E-06
9		1.06460532E-05	6.13443178E-06	1.54393109E-06
10		1.16477899E-05	8.59236543E-06	5.28045566E-06
11		1.10171034E-05	9.07419443E-06	6.78610212E-06
12		9.67999912E-06	8.56521023E-06	7.07252622E-06
13		8.10761782E-06	7.59669376E-06	6.70998990E-06
14		6.53622571E-06	6.45589968E-06	6.02312891E-06
15		5.07933195E-06	5.29684886E-06	5.19767081E-06
16		3.78598015E-06	4.19993789E-06	4.33961823E-06
17		2.67154784E-06	3.20459164E-06	3.50865585E-06
18		1.73419809E-06	2.32741986E-06	2.73731782E-06
19		9.63703910E-07	1.57242637E-06	2.04214062E-06
20		3.46157979E-07	9.36786349E-07	1.43022531E-06
21		-1.33560319E-07	4.14116315E-07	9.03128524E-07
22		-4.90546064E-07	-3.69006587E-09	4.59177199E-07
23		-7.39301361E-07	-3.25453043E-07	9.48424974E-08
24		-8.93530601E-07	-5.60176145E-07	-1.94453224E-07
25		-9.66126452E-07	-7.16791802E-07	-4.13873380E-07
26		-9.69250776E-07	-8.04065165E-07	-5.68913653E-07
27		-9.14457483E-07	-8.30586876E-07	-6.65276305E-07
28		-8.12826466E-07	-8.04814193E-07	-7.08822335E-07
29		-6.75107407E-07	-7.35136806E-07	-7.05570894E-07

LR	7 39	7 40	7 41
EIGENVALUE	-3.34706464E+01	-3.39260312E+01	-3.43824270E+01
COEFFICIENT			
K			
0	2.74793601E-05	4.10205030E-05	-5.52106224E-05
1	4.93944247E-05	8.31175257E-05	-1.20798161E-04
2	-7.56149101E-04	-7.95321384E-04	-8.29389621E-04
3	2.21172343E-04	1.77177579E-04	-1.33542803E-04
4	1.79893862E-04	1.69202541E-04	-1.56176975E-04
5	1.05472442E-04	1.07048874E-04	-1.06433832E-04
6	5.66405976E-05	6.18966982E-05	-6.55748667E-05
7	2.81032286E-05	3.38715675E-05	-3.86192830E-05
8	1.19402964E-05	1.71275801E-05	-2.17119197E-05
9	2.96706211E-06	7.27176955E-06	-1.12669145E-05
10	-1.85522754E-06	-1.56252284E-06	-4.87025889E-06
11	-4.27406290E-06	-1.64532838E-06	-1.00565890E-06
12	-3.29940280E-06	-3.33640434E-06	1.26631736E-06
13	-5.52180241E-06	-4.10527177E-06	2.53012406E-06
14	-5.29087290E-06	-4.31540008E-06	3.15319222E-06
15	-4.81577178E-06	-4.19176734E-06	3.36939349E-06
16	-4.22253565E-06	-3.87519414E-06	3.32945499E-06
17	-3.58731478E-06	-3.45463355E-06	3.13166382E-06
18	-2.96594983E-06	-2.98664253E-06	2.84079460E-06
19	-2.35567656E-06	-2.50729540E-06	2.49993291E-06
20	-1.80221628E-06	-2.03957297E-06	2.13795914E-06
21	-1.30411821E-06	-1.59800161E-06	1.77434460E-06
22	-8.65440737E-07	-1.19159627E-06	1.42225978E-06
23	-4.87415206E-07	-8.25742814E-07	1.09060839E-06
24	-1.69479128E-07	-5.03408644E-07	7.85368840E-07
25	9.00855051E-08	-2.25922904E-07	5.10483760E-07
26	2.93763379E-07	6.52213447E-09	2.68451114E-07
27	4.44575841E-07	1.94552122E-07	6.07161995E-08
28	5.45952708E-07	3.39412260E-07	-1.12070797E-07
29	6.01669854E-07	4.42849465E-07	-2.49889002E-07

LR	7 42	7 43	7 44
EIGENVALUE	-3.48396087E+01	-3.52973834E+01	-3.57556164E+01
COEFFICIENT			
K			
0	-6.98114009E-05	8.45168468E-05	9.89324423E-05
1	-1.62244605E-04	2.07069509E-04	2.54595735E-04
2	8.59782952E-04	-8.85560643E-04	-9.05426460E-04
3	-9.05243801E-05	4.84096062E-05	7.59093868E-06
4	-1.41129968E-04	1.24330872E-04	1.06051240E-04
5	-1.03777508E-04	9.92038165E-05	9.28298575E-05
6	-6.77036744E-05	6.83029918E-05	6.73898352E-05
7	-4.23054545E-05	4.48904833E-05	4.63356510E-05
8	-2.56180025E-05	2.87763119E-05	3.11201295E-05
9	-1.48637496E-05	1.79805411E-05	2.05388382E-05
10	-7.97775328E-06	1.08012664E-05	1.32599407E-05
11	-3.59377275E-06	6.03899840E-06	8.26332317E-06
12	-8.34262756E-07	2.89213309E-06	4.83499573E-06
13	9.62834692E-07	8.31733797E-07	2.49847034E-06
14	1.86008937E-06	-4.92005677E-07	8.93781544E-07
15	2.39396407E-06	-7.31238114E-06	-1.73930860E-07
16	2.62057543E-06	-1.78670325E-06	-8.69266905E-07
17	2.64428047E-06	-2.02232379E-06	-1.29967092E-06
18	2.53568563E-06	-2.09340523E-06	-1.54068835E-06
19	2.34311938E-06	-2.05181384E-06	-1.64607926E-06
20	2.10002950E-06	-1.93426824E-06	-1.65457329E-06
21	1.82980963E-06	-1.76708170E-06	-1.59442317E-06
22	1.54898437E-06	-1.56934220E-06	-1.48650433E-06
23	1.26933253E-06	-1.35506666E-06	-1.34644534E-06
24	9.99315316E-07	-1.13467374E-06	-1.18610555E-06
25	7.45043665E-07	-9.15998860E-07	-1.01460845E-06
26	5.10936709E-07	-7.04997977E-07	-8.39069404E-07
27	3.00170849E-07	-5.06237647E-07	-6.65110824E-07
28	1.14984999E-07	-3.23236480E-07	-4.97227983E-07
29	-4.31137025E-08	-1.58702191E-07	-3.39048687E-07

RI	7	7	7
	45	46	47
EIGENVALUE	-3.62142574E+01	-3.66733621E+01	-3.71331030E+01
COEFFICIENT			
K			
0	1.12571558E-04	1.24879328E-04	-1.35273444E-04
1	-3.03787862E-04	-3.53246821E-04	-4.01255757E-04
2	-9.17851247E-04	-9.21306279E-04	9.14477827E-04
3	-3.13839508E-05	-6.78088578E-05	1.00865336E-04
4	8.66153964E-05	6.64402072E-05	-4.60430173E-05
5	8.47974344E-05	7.53074612E-05	-6.46382183E-05
6	6.49961527E-05	6.11937424E-05	-5.61120846E-05
7	4.66126082E-05	4.57206329E-05	-4.37016839E-05
8	3.25902418E-05	3.31467627E-05	-3.27812956E-05
9	2.24654956E-05	2.37007716E-05	-2.42080318E-05
10	1.52763646E-05	1.67821406E-05	-1.77256222E-05
11	1.01905534E-05	1.17501622E-05	-1.28834834E-05
12	6.59093914E-06	8.09110941E-06	-9.27469725E-06
13	4.04139403E-06	5.42551561E-06	-6.58087476E-06
14	2.23803417E-06	3.48085292E-06	-4.56496017E-06
15	9.69205288E-07	2.06285635E-06	-3.05353707E-06
16	8.66238133E-08	1.03280358E-06	-1.92023014E-06
17	-5.14524978E-07	-2.91007201E-07	-1.07268127E-06
18	-9.09105646E-07	-2.34793841E-07	-4.42961955E-07
19	-1.15119484E-06	-5.97506024E-07	1.93065224E-08
20	-1.28031514E-06	-8.36286174E-07	3.51844864E-07
21	-1.32570579E-06	-9.80447619E-07	5.83190496E-07
22	-1.30927275E-06	-1.05219921E-06	7.35173546E-07
23	-1.24764441E-06	-1.06858012E-06	8.24690704E-07
24	-1.15361645E-06	-1.04283723E-06	8.64984342E-07
25	-1.03717568E-06	-9.85413230E-07	8.66571246E-07
26	-9.06230792E-07	-9.04660564E-07	8.37921528E-07
27	-7.67137028E-07	-8.07360544E-07	7.85958058E-07
28	-6.25074593E-07	-6.99102731E-07	7.16425870E-07
29	-4.84321996E-07	-5.84563092E-07	6.34166529E-07

RI	7	7	7
	48	49	50
EIGENVALUE	-3.75937968E+01	-3.80564211E+01	-3.88863255E+01
COEFFICIENT			
K			
0	1.43085080E-04	-1.46337613E-04	2.76078076E-04
1	4.45328986E-04	-4.79101665E-04	9.94004751E-04
2	-8.95750867E-04	8.56042470E-04	-1.45927247E-03
3	-1.29600480E-04	1.51641242E-04	-3.37194630E-04
4	2.60017904E-05	-6.91118178E-06	-4.16169621E-05
5	3.1048331E-05	-4.07274094E-05	3.79837568E-05
6	4.99071242E-05	-4.24120157E-05	5.45578439E-05
7	4.06182084E-05	-3.62534835E-05	5.22118258E-05
8	3.15017557E-05	-2.90915298E-05	4.48390193E-05
9	2.39636936E-05	-2.27686602E-05	3.69418332E-05
10	1.80655217E-05	-1.76250248E-05	2.98901688E-05
11	1.35399194E-05	-1.35648278E-05	2.39798252E-05
12	1.00869844E-05	-1.03936523E-05	1.91503637E-05
13	7.45188037E-06	-7.92223449E-06	1.52422127E-05
14	5.43594089E-06	-5.99326852E-06	1.20872634E-05
15	3.88930412E-06	-4.48338790E-06	9.53772821E-06
16	2.70024562E-06	-3.29810057E-06	7.47224241E-06
17	1.78562540E-06	-2.36563784E-06	5.79407468E-06
18	1.08336932E-06	-1.63153343E-06	4.42712073E-06
19	5.46844283E-07	-1.05431238E-06	3.31176409E-06
20	1.40739540E-07	-6.02207627E-07	2.40128141E-06
21	-1.61925176E-07	-2.50706792E-07	1.65892921E-06
22	-3.81970523E-07	1.92668646E-08	1.05565791E-06
23	-5.35636888E-07	2.22701294E-07	5.68345690E-07
24	-6.35738718E-07	3.71494886E-07	1.78442889E-07
25	-6.92513002E-07	4.75200681E-07	-1.29066598E-07
26	-7.14246750E-07	5.41583372E-07	-3.66462075E-07
27	-7.07743802E-07	5.77038425E-07	-5.43899004E-07
28	-6.78674028E-07	5.86909090E-07	-6.69882377E-07
29	-6.31835776E-07	5.75727357E-07	-7.51633842E-07

L R	7 51	7 52	7 53
EIGENVALUE	-4.13299897E+01	-4.55359091E+01	-4.80119806E+01
COEFFICIENT			
K			
0	-3.60278304E-04	-2.54578087E-04	-1.42266976E-04
1	-1.82670745E-03	-4.71044767E-03	3.96253769E-03
2	1.60898269E-03	1.81461174E-03	-8.61529431E-04
3	5.93613676E-04	1.08375823E-03	-6.87015288E-04
4	2.11953983E-04	5.89534879E-04	-4.32356515E-04
5	6.59716154E-05	3.29869685E-04	-2.72852412E-04
6	8.11405297E-06	1.91747732E-04	-1.78165112E-04
7	-1.45909737E-05	1.15224338E-04	-1.20810311E-04
8	-2.25730952E-05	7.10413294E-05	-8.48766905E-05
9	-2.42477637E-05	4.45764723E-05	-6.15660373E-05
10	-2.32578380E-05	2.82172677E-05	-4.59406107E-05
11	-2.12311966E-05	1.78329023E-05	-3.51476896E-05
12	-1.89037467E-05	1.10947305E-05	-2.74864085E-05
13	-1.66028207E-05	6.64445552E-06	-2.19113001E-05
14	-1.44647023E-05	3.66538326E-06	-1.77612595E-05
15	-1.25359234E-05	1.65304651E-06	-1.46071994E-05
16	-1.08215964E-05	2.88258193E-07	-1.21639081E-05
17	-9.30879439E-06	-6.35331167E-07	-1.02376355E-05
18	-7.97787092E-06	-1.25373118E-06	-8.69411676E-06
19	-6.80784236E-06	-1.65817280E-06	-7.43859877E-06
20	-5.77882202E-06	-1.91083469E-06	-6.40308658E-06
21	-4.87299053E-06	-2.05472002E-06	-5.53803473E-06
22	-4.07485226E-06	-2.11997719E-06	-4.80683161E-06
23	-3.37115785E-06	-2.12801497E-06	-4.18207387E-06
24	-2.75068520E-06	-2.09422428E-06	-3.64300889E-06
25	-2.20397499E-06	-2.02980471E-06	-3.17375228E-06
26	-1.72306655E-06	-1.94300663E-06	-2.76202801E-06
27	-1.30125447E-06	-1.83998629E-06	-2.39826577E-06
28	-9.32873239E-07	-1.72540103E-06	-2.07494623E-06
29	-6.13110865E-07	-1.60282787E-06	-1.78612031E-06

L R	7 54	7 55	7 56
EIGENVALUE	-5.80582666E+01	-6.65505105E+01	-1.44100180E+02
COEFFICIENT			
K			
0	-2.84272846E-04	1.17673699E-02	6.58572601E-02
1	6.05721642E-04	-1.21780681E-02	8.21725608E-03
2	8.55385656E-05	-3.57154443E-03	1.99366180E-03
3	3.05621531E-06	-1.32810738E-03	6.52957180E-04
4	-1.26517951E-05	-5.76104551E-04	2.55675709E-04
5	-1.43729240E-05	-2.78316969E-04	1.12972113E-04
6	-1.29981079E-05	-1.45676920E-04	5.45263024E-05
7	-1.11577363E-05	-8.11696976E-05	2.81693648E-05
8	-9.49470913E-06	-4.75709010E-05	1.53662319E-05
9	-8.12572242E-06	-2.90751945E-05	8.76567707E-06
10	-7.02913517E-06	-1.84158811E-05	5.19199843E-06
11	-6.15464785E-06	-1.20297545E-05	3.17577090E-06
12	-5.45382022E-06	-8.07378428E-06	1.99743802E-06
13	-4.88704979E-06	-5.55066746E-06	1.28741521E-06
14	-4.42369195E-06	-3.89939957E-06	8.47949525E-07
15	-4.04048540E-06	-2.79355958E-06	5.69403855E-07
16	-3.71984625E-06	-2.03747999E-06	3.89067295E-07
17	-3.44844220E-06	-1.51072294E-06	2.70063563E-07
18	-3.21609767E-06	-1.13737313E-06	1.90164818E-07
19	-3.01498129E-06	-8.68540060E-07	1.35670982E-07
20	-2.83901041E-06	-6.72116482E-07	9.79659039E-08
21	-2.68341611E-06	-5.26636896E-07	7.15302659E-08
22	-2.54442463E-06	-4.17512860E-07	5.27685509E-08
23	-2.41902283E-06	-3.34678345E-07	3.93020080E-08
24	-2.30478446E-06	-2.71089557E-07	2.95342851E-08
25	-2.19974037E-06	-2.21752741E-07	2.23798551E-08
26	-2.10228092E-06	-1.83084129E-07	1.70914480E-08
27	-2.01108201E-06	-1.52482335E-07	1.31487384E-08
28	-1.92504847E-06	-1.28038754E-07	1.01855361E-08
29	-1.84327062E-06	-1.08338903E-07	7.94153807E-09

8 0	8 1	8 2	
EIGENVALUE	-2.47488716E+01	-2.48796910E+01	-2.50277365E+01
COEFFICIENT			
0	-3.89114997E-11	-6.01850446E-11	-2.50243301E-10
1	-4.40055600E-11	-9.70785741E-11	-2.20598053E-10
2	-5.10331446E-11	-1.41388998E-10	-1.95354291E-10
3	-6.30354046E-11	-2.00478008E-10	-1.89406356E-10
4	-8.70772297E-11	-2.94206488E-10	-2.32508276E-10
5	-1.39988928E-10	-4.74817867E-10	-3.89584048E-10
6	-2.67275506E-10	-8.92026314E-10	-8.37105956E-10
7	-6.16963366E-10	-2.05772658E-09	-2.19825792E-09
8	-1.80984450E-09	-6.28880588E-09	-7.57534219E-09
9	-7.72174828E-09	-3.06855732E-08	-4.61259487E-08
10	-7.53100271E-08	-6.18166196E-07	2.26812544E-06
11	1.12260444E-06	3.67793239E-06	-7.10837791E-06
12	-3.81483124E-06	-7.03558489E-06	7.09998460E-06
13	6.18950584E-06	5.02654689E-06	2.42876572E-07
14	-5.56647209E-06	1.08993469E-06	-3.86688382E-06
15	2.81286139E-06	-4.01145097E-06	-2.21608100E-07
16	-7.21465976E-07	2.45598568E-06	3.20224001E-06
17	6.09706121E-08	-5.68558759E-07	-1.90100617E-06
18	2.54982476E-09	2.18791744E-08	3.38705901E-07
19	3.53623967E-10	1.93597536E-09	4.31090528E-09
20	7.61143779E-11	3.50764721E-10	5.75441413E-10
21	2.11008492E-11	8.84750423E-11	1.27062572E-10
22	6.94021932E-12	2.72297518E-11	3.69514132E-11
23	2.59629362E-12	9.57213478E-12	1.30741251E-11
24	1.08101718E-12	3.70277873E-12	5.44289133E-12
25	4.95740255E-13	1.54603855E-12	2.60702500E-12
26	2.48776168E-13	6.93516166E-13	1.39774776E-12
27	1.35479140E-13	3.36780956E-13	8.10994959E-13
28	7.90225539E-14	1.79514496E-13	4.92577770E-13
29	4.85425480E-14	1.05904413E-13	3.04711072E-13

8 3	8 4	8 5	
EIGENVALUE	-2.51924635E+01	-2.53732901E+01	-2.55696075E+01
COEFFICIENT			
0	8.74190352E-10	6.45921034E-10	-1.83630471E-09
1	1.03493555E-09	1.09199883E-09	-1.54691852E-09
2	1.25510405E-09	1.64023273E-09	-1.28732872E-09
3	1.61583830E-09	2.39347951E-09	-1.16023210E-09
4	2.31519116E-09	3.63079902E-09	-1.37612586E-09
5	3.86166941E-09	6.12901047E-09	-2.42486585E-09
6	7.77703950E-09	1.23605688E-08	-5.81259452E-09
7	1.98518146E-08	3.24826357E-08	-1.81706862E-08
8	7.26467425E-08	1.33349584E-07	-9.33880621E-08
9	6.12712475E-07	2.25922751E-06	5.35622197E-06
10	-5.32687369E-06	-9.09078638E-06	-1.18989633E-05
11	9.38577385E-06	8.55517706E-06	4.44087198E-06
12	-3.26504402E-06	1.93276565E-06	4.97823819E-06
13	-4.07043239E-06	-3.36892751E-06	2.49560496E-07
14	7.97298943E-07	-2.66019443E-06	-2.59626874E-06
15	2.92334703E-06	6.08486022E-07	-2.10043506E-06
16	3.57281417E-07	2.31738474E-06	1.68084404E-07
17	-2.71730134E-06	7.23299001E-07	1.81786056E-06
18	1.35957361E-06	-2.30608345E-06	1.07776370E-06
19	-1.55679435E-07	8.90927196E-07	-1.88790420E-06
20	-9.86069775E-09	-4.51823571E-08	5.24234809E-07
21	-1.72886180E-09	-4.99881802E-09	4.56025991E-09
22	-4.41444376E-10	-1.06410343E-09	7.04878465E-10
23	-1.39883511E-10	-3.03258969E-10	1.79093674E-10
24	-5.14017839E-11	-1.02658954E-10	6.05436855E-11
25	-2.11959650E-11	-3.90133161E-11	2.53896747E-11
26	-9.65231085E-12	-1.61863218E-11	1.26151936E-11
27	-4.81170009E-12	-7.26158990E-12	7.06829582E-12
28	-2.60412618E-12	-3.53565077E-12	4.25302983E-12
29	-1.51241496E-12	-1.88762070E-12	2.64192728E-12

L R	8		
	6	7	8
EIGENVALUE	-2.57807875E+01	-2.60061907E+01	-2.62451732E+01
COEFFICIENT			
0	-5.57847597E-09	6.12002164E-09	1.27463304E-09
1	-6.37976514E-09	8.45717589E-09	-1.35244285E-09
2	-7.59759594E-09	1.15716299E-08	-4.46056555E-09
3	-9.80313565E-09	1.63765273E-08	-8.44363675E-09
4	-1.44304679E-08	2.53119243E-08	-1.45234015E-08
5	-2.54588193E-08	4.55926584E-08	-2.67382508E-08
6	-5.65880256E-08	1.03890410E-07	-6.14633870E-08
7	-1.75582951E-07	3.50249588E-07	-2.27030025E-07
8	-1.12878893E-06	3.50658748E-06	-7.40633172E-06
9	9.56504176E-06	-1.37204154E-05	1.62624301E-05
10	-1.20551647E-05	8.93727276E-06	-3.45363387E-06
11	-1.05280711E-06	5.22524860E-06	-6.27565424E-06
12	4.24419082E-06	-8.46544203E-07	-2.66231814E-06
13	3.15008026E-06	-3.18692335E-06	8.75748770E-07
14	9.10117621E-08	-2.33848841E-06	2.33364626E-06
15	-1.88475348E-06	-3.04409693E-07	1.91356821E-06
16	-1.81756549E-06	1.27174390E-06	5.64676080E-07
17	-2.76571704E-07	1.57789692E-06	-7.37084175E-07
18	1.32438889E-06	6.33795258E-07	-1.30307193E-06
19	1.32374577E-06	-8.26104960E-07	-8.62348031E-07
20	-1.46391032E-06	-1.42872225E-06	3.52330725E-07
21	2.66804160E-07	1.06426562E-06	1.40009855E-06
22	1.66074260E-08	-1.07112494E-07	-7.19208826E-07
23	3.19847274E-09	-1.17567719E-08	2.24517327E-08
24	8.92932824E-10	-2.66435719E-09	3.39214288E-09
25	3.07491515E-10	-8.11578350E-10	8.60682428E-10
26	1.22592766E-10	-2.94132603E-10	2.74339138E-10
27	5.49076668E-11	-1.20473075E-10	9.91373691E-11
28	2.71468353E-11	-5.44898760E-11	3.87133143E-11
29	1.46011115E-11	-2.69541123E-11	1.60536985E-11

L R	8		
	9	10	11
EIGENVALUE	-2.64970930E+01	-2.67613150E+01	-2.70372157E+01
COEFFICIENT			
0	-1.60499589E-08	2.96293859E-08	2.89886873E-08
1	-1.60836561E-08	3.51460025E-08	3.99603062E-08
2	-1.70685070E-08	4.38169532E-08	5.55901643E-08
3	-2.04760211E-08	5.97987105E-08	8.17179032E-08
4	-3.00840397E-08	9.45410147E-08	1.35160136E-07
5	-5.73668574E-08	1.85667594E-07	2.74794137E-07
6	-1.50689388E-07	5.08957825E-07	8.08039609E-07
7	-6.99889697E-07	2.94252999E-06	6.76768040E-06
8	1.23857823E-05	-1.74053347E-05	-2.11518353E-05
9	-1.59712606E-05	1.25574685E-05	6.79597035E-06
10	-2.42243654E-06	6.64987156E-06	8.00719131E-06
11	4.18005925E-06	-3.92148732E-07	3.15422936E-06
12	4.20752737E-06	-3.26837966E-06	-7.45553555E-07
13	1.77196131E-06	-3.02079536E-06	-2.38704606E-06
14	-5.27806598E-07	-1.45256251E-06	-2.28884740E-06
15	-1.67126949E-06	1.49499706E-07	-1.31128790E-06
16	-1.60920693E-06	1.13266213E-06	-1.68308140E-07
17	-7.65012682E-07	1.32645718E-06	6.85328968E-07
18	2.82251491E-07	8.70597436E-07	1.03916823E-06
19	9.85885621E-07	8.01591951E-08	8.79129736E-07
20	9.52301036E-07	-6.50315779E-07	3.40261379E-07
21	5.94304494E-08	-9.17704493E-07	-3.29136074E-07
22	-1.26889179E-06	-3.81145706E-07	-7.88241543E-07
23	4.46352253E-07	1.07530048E-06	-6.00942927E-07
24	1.25102049E-08	-2.48636485E-07	8.57619236E-07
25	2.38924518E-09	-1.96111433E-08	-1.17900165E-07
26	7.01030916E-10	-4.37142279E-09	-1.44686038E-08
27	2.60795321E-10	-1.37103170E-09	-3.63621846E-09
28	1.14585501E-10	-5.22170520E-10	-1.21217862E-09
29	5.70699018E-11	-2.27994700E-10	-4.77521340E-10



L R	8 12	8 13	8 14
EIGENVALUE	-2.73241864E+01	-2.76216366E+01	-2.79289957E+01
COEFFICIENT			
K			
0	-4.93959466E-09	4.02189647E-08	9.06967483E-08
1	-1.68506230E-08	3.54132548E-08	1.01054835E-07
2	-3.22230495E-08	3.23482858E-08	1.21761934E-07
3	-5.50959986E-08	3.39939223E-08	1.67441308E-07
4	-9.77872372E-08	4.86685233E-08	2.83188773E-07
5	-2.06799115E-07	1.07153700E-07	6.56380807E-07
6	-6.59340357E-07	4.18509701E-07	2.85011102E-06
7	-1.20079350E-05	-1.80293615E-05	-2.38681579E-05
8	2.24980778E-05	2.08837953E-05	1.64738015E-05
9	-1.92441118E-07	5.59392987E-06	9.28983463E-06
10	-6.45675115E-06	-2.94410160E-06	1.13008863E-06
11	-5.01711320E-06	-4.72960719E-06	-2.73542089E-06
12	-1.88389696E-06	-3.42499422E-06	-3.41296114E-06
13	5.37575075E-07	-1.40183274E-06	-2.52743790E-06
14	1.69071951E-06	2.37187522E-07	-1.19854938E-06
15	1.77328939E-06	1.14784659E-06	-3.16565249E-08
16	1.20566471E-06	1.36614889E-06	7.22102363E-07
17	4.01200000E-07	1.08708504E-06	1.02307526E-06
18	-3.19662664E-07	5.47133070E-07	9.45122308E-07
19	-7.52201584E-07	-3.40917888E-08	6.14481669E-07
20	-8.05971758E-07	-4.81109737E-07	1.73319015E-07
21	-4.97703357E-07	-6.75205797E-07	-2.41745705E-07
22	5.10746975E-08	-5.62444348E-07	-5.12996873E-07
23	6.00083041E-07	-1.65287931E-07	-5.52035492E-07
24	7.22447140E-07	3.88094856E-07	-3.12800280E-07
25	-6.45725998E-07	7.60314534E-07	1.80727949E-07
26	4.01338228E-08	-4.58846460E-07	7.34787411E-07
27	6.43097581E-09	5.72884886E-11	-3.06327438E-07
28	1.76415534E-09	-4.23195041E-11	-1.59116839E-08
29	6.10923546E-10	-4.78263204E-11	-3.62840721E-09

L R	8 15	8 16	8 17
EIGENVALUE	-2.82457149E+01	-2.85712684E+01	-2.89051540E+01
COEFFICIENT			
K			
0	-1.22314637E-07	1.12218871E-07	-4.86863596E-08
1	-1.51408298E-07	1.55816668E-07	-9.42546082E-08
2	-1.99910242E-07	2.23681163E-07	-1.59982262E-07
3	-2.95074157E-07	3.50359576E-07	-2.75161653E-07
4	-5.24900758E-07	6.52403569E-07	-5.43389398E-07
5	-1.28713920E-06	1.70634625E-06	-1.53229623E-06
6	-6.85426234E-06	1.23498724E-05	-1.89442837E-05
7	2.84747070E-05	-3.09715940E-05	3.08449035E-05
8	-1.00694124E-05	2.84774357E-06	3.95574370E-06
9	-1.03180954E-05	8.83010393E-06	-5.52493233E-06
10	-4.46506947E-06	6.23270492E-06	-6.19935681E-06
11	-1.16554472E-08	2.51135111E-06	-4.05186392E-06
12	2.09985355E-06	-1.58464883E-07	-1.67284992E-06
13	2.49706988E-06	-1.50824452E-06	6.67350331E-08
14	1.96218362E-06	-1.84387404E-06	1.03187420E-06
15	1.08639715E-06	-1.56191291E-06	1.35828607E-06
16	-2.38204673E-07	-9.95155976E-07	1.25031841E-06
17	-3.90066809E-07	-3.79772194E-07	9.00561899E-07
18	-7.28280476E-07	1.36780864E-07	4.63082661E-07
19	-7.85127494E-07	4.77505886E-07	4.89516538E-08
20	-6.17209071E-07	6.17950442E-07	-2.69940929E-07
21	-3.08127763E-07	5.71714820E-07	-4.54851444E-07
22	4.53919443E-08	3.79723228E-07	-4.94415928E-07
23	3.42941317E-07	1.02751229E-07	-4.00086540E-07
24	4.87675778E-07	-1.83409394E-07	-2.03116986E-07
25	3.94046280E-07	-3.90557392E-07	4.66210072E-08
26	-2.23844080E-09	-4.18302902E-07	2.79247711E-07
27	-6.67014873E-07	-1.49693030E-07	3.98337417E-07
28	1.89956423E-07	5.75877747E-07	2.57796155E-07
29	1.82918744E-08	-1.06662304E-07	-4.76354604E-07

L	R	8	8	8
		18	19	20
EIGENVALUE		-2.92468938E+01	-2.95960340E+01	-2.99521449E+01
COEFFICIENT				
K				
0				
1		-6.30125142E-08	2.00600987E-07	3.30130427E-07
2		-3.35858286E-08	2.05908946E-07	3.83400389E-07
3		-3.78509843E-11	2.34692746E-07	4.94959988E-07
4		4.35583196E-08	3.23852665E-07	7.59342499E-07
5		1.20098069E-07	6.14483335E-07	1.55987932E-06
6		3.75030700E-07	2.07840023E-06	5.99615817E-06
7		2.59998535E-05	-3.27517997E-05	-3.84417197E-05
8		-2.80267407E-05	2.28685754E-05	1.60343274E-05
9		-9.31937448E-06	1.26027748E-05	1.35968341E-05
10		1.36887760E-06	2.67833545E-06	5.86274832E-06
11		4.64088032E-06	-2.14422767E-06	6.10905077E-07
12		4.34750399E-06	-3.50582243E-06	-1.89542859E-06
13		2.85103006E-06	-3.14045583E-06	-2.59602535E-06
14		1.28073976E-06	-2.13743409E-06	-2.33524915E-06
15		7.59536530E-08	-1.07215537E-06	-1.67416917E-06
16		-6.63048354E-07	-2.04082173E-07	-9.39410054E-07
17		-9.85111769E-07	3.82450053E-07	-2.99925779E-07
18		-9.92791916E-07	6.92842020E-07	1.72512152E-07
19		-7.97169494E-07	7.73812176E-07	4.62686027E-07
20		-4.98134396E-07	6.87093515E-07	5.86396052E-07
21		-1.77084728E-07	4.95720289E-07	5.74933286E-07
22		1.04653606E-07	2.57249631E-07	4.66182267E-07
23		3.05064550E-07	2.06662774E-08	2.98824543E-07
24		4.00030496E-07	-1.74880597E-07	1.09814822E-07
25		3.82152744E-07	-3.00578006E-07	-6.76140541E-08
26		2.60370781E-07	-3.38357101E-07	-2.05007938E-07
27		6.10248983E-08	-2.81748498E-07	-2.79615517E-07
28		-1.68274842E-07	-1.37894333E-07	-2.75548918E-07
29		-3.47737713E-07	6.77412466E-08	-1.85782093E-07
		-3.27993021E-07	2.79051032E-07	-1.63485711E-08

L	R	8	8	8
		21	22	23
EIGENVALUE		-3.03148199E+01	-3.06836750E+01	-3.10583485E+01
COEFFICIENT				
K				
0				
1		-4.14489125E-07	4.22364407E-07	3.35351779E-07
2		-5.18722579E-07	5.67761244E-07	4.99592455E-07
3		-7.15427461E-07	8.29242438E-07	7.82930948E-07
4		-1.16042089E-06	1.41090238E-06	1.40489862E-06
5		-2.52389027E-06	3.24749129E-06	3.44156725E-06
6		-1.13650756E-05	1.79888192E-05	2.55158227E-05
7		4.24350649E-05	-4.43021247E-05	-4.38551346E-05
8		-8.35425215E-06	6.78236654E-07	-6.24402483E-06
9		-1.24769736E-05	9.69679288E-06	5.86024150E-06
10		-7.73638335E-06	8.16743294E-06	7.28728794E-06
11		-3.02707075E-06	4.69296027E-06	5.41689828E-06
12		-1.27159874E-08	1.77931007E-06	3.08187076E-06
13		1.47030297E-06	-9.88708039E-08	1.19805437E-06
14		1.91902292E-06	-1.07687076E-06	-5.61297296E-08
15		1.77365454E-06	-1.41817416E-06	-7.56447481E-07
16		1.34668651E-06	-1.36408376E-06	-1.04357860E-06
17		8.37420263E-07	-1.09812457E-06	-1.05408356E-06
18		3.62152844E-07	-7.47619094E-07	-8.99383160E-07
19		-1.90375241E-08	-3.94960994E-07	-6.63015678E-07
20		-2.82450968E-07	-8.93868333E-08	-4.04079312E-07
21		-4.27110133E-07	1.43353008E-07	-1.62096619E-07
22		-4.65705561E-07	2.93745631E-07	3.84336819E-08
23		-4.18720321E-07	3.63323692E-07	1.84306388E-07
24		-3.10665730E-07	3.61041630E-07	2.70740191E-07
25		-1.67677887E-07	3.00786971E-07	2.99251274E-07
26		-1.59591083E-08	1.99688314E-07	2.76120912E-07
27		1.19297265E-07	7.69686197E-08	2.11322026E-07
28		2.14776428E-07	-4.68411992E-08	1.17797873E-07
29		2.49976567E-07	-1.50470045E-07	1.10169716E-08
		2.08606261E-07	-2.12381214E-07	-9.12387896E-08

L	R	8	8	8
		24	25	26
	EIGENVALUE	-3.14385005E+01	-3.18238127E+01	-3.22139868E+01
	COEFFICIENT			
K				
0		-1.51847224E-07	1.12613787E-07	-4.28086567E-07
1		-3.03069770E-07	1.08630490E-08	-4.10945631E-07
2		-5.47784695E-07	-1.25936763E-07	-4.49285482E-07
3		-1.06835941E-06	-3.74345756E-07	-6.49811495E-07
4		-2.82707380E-06	-1.17125788E-06	-1.68519723E-06
5		-3.34872443E-05	-4.13938870E-05	4.87321292E-05
6		4.11447846E-05	3.64257775E-05	-3.01034195E-05
7		1.18422489E-05	1.57622856E-05	-1.78663103E-05
8		-1.60211860E-06	2.50512435E-06	-6.01126228E-06
9		-5.40544775E-06	-2.91861728E-06	2.31757228E-06
10		-5.20698889E-06	-4.22021307E-06	2.70066992E-06
11		-3.74878457E-06	-3.75294275E-06	3.18035751E-06
12		-2.17955759E-06	-2.71129247E-06	2.76328625E-06
13		-9.08011374E-07	-1.63862678E-06	2.03664947E-06
14		-2.41875826E-08	-7.49366842E-07	1.29017371E-06
15		5.06896573E-07	-1.01443402E-07	6.51312009E-07
16		7.59804538E-07	3.16545636E-07	1.63048777E-07
17		8.12926078E-07	5.42730517E-07	-1.73405619E-07
18		7.35051202E-07	6.21896746E-07	-3.75810724E-07
19		5.81667246E-07	5.96597896E-07	-4.69016850E-07
20		3.95230927E-07	5.03709645E-07	-4.78989515E-07
21		2.06839154E-07	3.73542098E-07	-4.29980226E-07
22		3.81851270E-08	2.30076963E-07	-3.43342700E-07
23		-9.66452303E-08	9.16282021E-08	-2.37181965E-07
24		-1.89682954E-07	-2.84071188E-08	-1.26399113E-07
25		-2.37911815E-07	-1.20857766E-07	-2.28985372E-08
26		-2.42403279E-07	-1.80208306E-07	6.41653269E-08
27		-2.07713418E-07	-2.04171201E-07	1.28166409E-07
28		-1.41511918E-07	-1.93408043E-07	1.64846151E-07
29		-5.44323172E-08	-1.51408779E-07	1.72237593E-07

L	R	8	8	8
		27	28	29
	EIGENVALUE	-3.26087429E+01	-3.30078172E+01	-3.34109604E+01
	COEFFICIENT			
K				
0		7.55037848E-07	1.05010975E-06	1.27177938E-06
1		8.50518562E-07	1.27427171E-06	1.62549007E-06
2		1.11797073E-06	1.80171124E-06	2.41342416E-06
3		1.92347945E-06	3.32044606E-06	4.68124879E-06
4		5.81262829E-06	1.11885377E-05	1.77036567E-05
5		-5.50513188E-05	-5.99880727E-05	-6.32859793E-05
6		2.26727679E-05	1.46598813E-05	6.57193424E-06
7		1.82063237E-05	1.69817314E-05	1.44908118E-05
8		8.61584936E-06	1.01692144E-05	1.06547861E-05
9		2.29977993E-06	4.40475914E-06	5.90955302E-06
10		-9.21610021E-07	8.60238597E-07	2.43480685E-06
11		-2.18833845E-06	-9.64271849E-07	3.08209924E-07
12		-2.38905375E-06	-1.69642887E-06	-8.18150756E-07
13		-2.07925020E-06	-1.80475833E-06	-2.29160219E-06
14		-1.57621894E-06	-1.59350183E-06	-1.37280160E-06
15		-1.04937927E-06	-1.24722122E-06	-1.23854773E-06
16		-5.81596768E-07	-8.72094533E-07	-1.00244730E-06
17		-2.06890782E-07	-5.25369310E-07	-7.34505813E-07
18		6.73206993E-08	-2.34618842E-07	-4.75865448E-07
19		2.47390979E-07	-9.85737291E-09	-2.49010053E-07
20		3.46172720E-07	1.48989741E-07	-6.45688454E-08
21		3.78976582E-07	2.47540365E-07	7.42355780E-08
22		3.61387808E-07	2.94221412E-07	1.68712377E-07
23		3.08139204E-07	2.98646000E-07	2.22858974E-07
24		2.32574450E-07	2.70666897E-07	2.42186829E-07
25		1.46431157E-07	2.19837245E-07	2.32978421E-07
26		5.97865383E-08	1.55112235E-07	2.01819997E-07
27		-1.89261360E-08	8.46884328E-08	1.55308663E-07
28		-8.28853118E-08	1.59156928E-08	9.98672404E-08
29		-1.26868774E-07	-4.47607510E-08	4.16224989E-08

K	8		
	30	31	32
EIGENVALUE	-3.38179376E+01	-3.42285283E+01	-3.46425276E+01
COEFFICIENT			
0	1.38513868E-06	-1.36535317E-06	1.19965401E-06
1	1.85270344E-06	-1.91501507E-06	1.78575117E-06
2	2.86730392E-06	-3.08769312E-06	3.01611522E-06
3	5.82779719E-06	-6.57828685E-06	6.76092687E-06
4	-2.51751463E-05	-3.33640445E-05	4.19945327E-05
5	-6.48018323E-05	6.45012241E-05	-6.24468505E-05
6	-1.14012939E-06	8.10560093E-06	-1.40452988E-05
7	1.10837758E-05	-7.12246035E-06	2.94907133E-06
8	1.01607937E-05	-8.84820928E-06	6.91990287E-06
9	6.73545062E-06	-6.88539517E-06	6.42528199E-06
10	3.65382747E-06	-4.43376601E-06	4.75018893E-06
11	1.47271315E-06	-2.41312975E-06	3.05788590E-06
12	1.12753145E-07	-9.80503193E-07	1.69680550E-06
13	-6.37032291E-07	-6.07751100E-08	7.15611675E-07
14	-9.74014449E-07	4.70530159E-07	6.38518973E-08
15	-1.04989246E-06	7.28700607E-07	-3.31697182E-07
16	-9.72267018E-07	8.05240197E-07	-5.39920385E-07
17	-8.14116771E-07	7.67981654E-07	-6.17521367E-07
18	-6.23302276E-07	6.65302386E-07	-6.08383722E-07
19	-4.30138413E-07	5.30760791E-07	-5.45303241E-07
20	-2.52935098E-07	3.87036146E-07	-4.52212221E-07
21	-1.01893078E-07	2.48974644E-07	-3.46223576E-07
22	1.82130974E-08	1.25841386E-07	-2.39306184E-07
23	1.06208649E-07	2.29463624E-08	-1.39586310E-07
24	1.63283828E-07	-5.71971351E-08	-5.23298485E-08
25	1.92162952E-07	-1.14053719E-07	1.93286422E-08
26	1.96546895E-07	-1.48490027E-07	7.38504987E-08
27	1.80739629E-07	-1.62371051E-07	1.10902548E-07
28	1.49397639E-07	-1.58277824E-07	1.31074169E-07
29	1.07360161E-07	-1.39310165E-07	1.35673519E-07

K	8		
	33	34	35
EIGENVALUE	-3.50597463E+01	-3.54800111E+01	-3.59031626E+01
COEFFICIENT			
0	-8.87923782E-07	4.42053435E-07	-1.15686387E-07
1	-1.45435307E-06	9.26612439E-07	2.23463866E-07
2	-2.61609774E-06	1.87568272E-06	8.07710579E-07
3	-6.22549975E-06	4.85212261E-06	2.55682459E-06
4	-5.07736986E-05	5.94095581E-05	6.76280550E-05
5	5.87824674E-05	-5.37145802E-05	-4.74932272E-05
6	1.87774543E-05	-2.22060270E-05	-2.43180749E-05
7	1.13566744E-06	-4.88583787E-06	-8.11647770E-06
8	-4.59397054E-06	2.08255768E-06	-4.23570735E-07
9	-5.46377642E-06	4.13327896E-06	2.57354656E-06
10	-4.62706363E-06	4.12396945E-06	3.32282901E-06
11	-3.37774532E-06	3.37951313E-06	3.09761096E-06
12	-2.20481169E-06	2.47833597E-06	2.51790129E-06
13	-1.26095076E-06	1.65314867E-06	1.87115762E-06
14	-5.64367879E-07	9.80984560E-07	1.28079970E-06
15	-8.47555447E-08	4.71583023E-07	7.91146271E-07
16	2.20961878E-07	1.08045190E-07	4.09657756E-07
17	3.94595292E-07	-1.34824767E-07	1.27765882E-07
18	4.71949069E-07	-2.82598658E-07	-6.90036492E-08
19	4.81925283E-07	-3.58133413E-07	-1.96259743E-07
20	4.47092880E-07	-3.80670214E-07	-2.68637761E-07
21	3.84699448E-07	-3.65876696E-07	-2.98999300E-07
22	3.07707400E-07	-3.26248952E-07	-2.98255063E-07
23	2.25702790E-07	-2.71607711E-07	-2.75466048E-07
24	1.45638960E-07	-2.09574706E-07	-2.38051767E-07
25	7.24228533E-08	-1.45986761E-07	-1.92022877E-07
26	9.36711201E-09	-8.52377309E-08	-1.42200702E-07
27	-4.14664215E-08	-3.05522748E-08	-9.24087974E-08
28	-7.90086665E-08	1.57995587E-08	-4.56326624E-08
29	-1.02991556E-07	5.23370747E-08	-4.14877448E-08

L R	8 36	8 37	8 38
EIGENVALUE	-3.63290527E+01	-3.67575406E+01	-3.71884902E+01
COEFFICIENT			
K			
0	7.54969721E-07	-1.44010931E-06	2.13278775E-06
1	6.21359848E-07	-1.56442304E-06	2.55599989E-06
2	5.51864915E-07	-2.14719542E-06	3.90670971E-06
3	7.06185017E-07	-4.94532427E-06	1.01348677E-05
4	-7.51862162E-05	8.18815153E-05	-6.75564824E-05
5	4.03928986E-05	-3.26946818E-05	2.46706235E-05
6	2.51673196E-05	-2.48599789E-05	2.35392880E-05
7	1.07039383E-05	-1.25817385E-05	1.37331753E-05
8	2.76501954E-06	-4.81888262E-06	6.49973345E-06
9	-9.18704401E-07	-7.12101858E-07	2.22049759E-06
10	-2.31619355E-06	1.19720090E-06	-5.20593106E-08
11	-2.58502772E-06	1.90473423E-06	-1.12230340E-06
12	-2.34499132E-06	1.99562786E-06	-1.51413775E-06
13	-1.91382927E-06	1.79580067E-06	-1.54281145E-06
14	-1.44785481E-06	1.48113350E-06	-1.39148812E-06
15	-1.01893887E-06	1.14334791E-06	-1.16406236E-06
16	-6.55557879E-07	8.27677549E-07	-9.17870380E-07
17	-3.64473758E-07	5.54014146E-07	-6.83202344E-07
18	-1.42115090E-07	3.28697915E-07	-4.74782456E-07
19	1.95067460E-08	1.51065981E-07	-2.98490622E-07
20	1.29782559E-07	1.70679183E-08	-1.55289364E-07
21	1.98028004E-07	-7.87614064E-08	-4.35112387E-08
22	2.32815538E-07	-1.42249377E-07	3.98169340E-08
23	2.41725191E-07	-1.79047411E-07	9.82165708E-08
24	2.31304785E-07	-1.94377643E-07	1.35333248E-07
25	2.07127919E-07	-1.92934699E-07	1.54708133E-07
26	1.73890913E-07	-1.78869064E-07	1.59663090E-07
27	1.35518601E-07	-1.55810670E-07	1.53250782E-07
28	9.52642873E-08	-1.26909616E-07	1.38240786E-07
29	5.57974334E-08	-9.48814161E-08	1.17124560E-07

L R	8 39	8 40	8 41
EIGENVALUE	-3.76217668E+01	-3.80572375E+01	-3.84947727E+01
COEFFICIENT			
K			
0	2.79453713E-06	-3.38877540E-06	-3.88233445E-06
1	3.54339191E-06	-4.47383928E-06	-5.29687353E-06
2	5.74760609E-06	-7.58012108E-06	-9.31123959E-06
3	1.62195945E-05	-2.31197282E-05	-3.07352143E-05
4	-9.20986983E-05	9.54370462E-05	9.75356957E-05
5	1.65727916E-05	-8.62347139E-06	-1.01345667E-06
6	2.13707393E-05	-1.85292195E-05	-1.51889595E-05
7	1.41819948E-05	-1.39824183E-05	-1.32096687E-05
8	7.75739198E-06	-8.57250419E-06	-8.95099398E-06
9	3.53147519E-06	-4.59339431E-06	-5.37614182E-06
10	1.04497303E-06	-2.03427266E-06	-2.87161119E-06
11	-3.00170133E-07	-5.06324601E-07	-1.25121817E-06
12	-9.47723458E-07	3.42196781E-07	-2.61011606E-07
13	-1.18712912E-06	7.63560575E-07	3.06313750E-07
14	-1.19814911E-06	9.25337025E-07	5.99328987E-07
15	-1.08970405E-06	9.35186669E-07	7.19190726E-07
16	-9.26591244E-07	8.61036067E-07	7.33126778E-07
17	-7.46550330E-07	7.45152003E-07	6.85210875E-07
18	-5.70858644E-07	6.13423784E-07	6.04040899E-07
19	-4.10838104E-07	4.81345753E-07	5.07965840E-07
20	-2.71836773E-07	3.57837808E-07	4.08573890E-07
21	-1.55662710E-07	2.47678054E-07	3.13000934E-07
22	-6.20704025E-08	1.53051277E-07	2.25454240E-07
23	1.03336413E-08	7.45349895E-08	1.48218130E-07
24	6.35421417E-08	1.17272266E-08	8.23184319E-08
25	9.98178692E-08	-3.63543450E-08	2.79619830E-08
26	1.21499509E-07	-7.10196566E-08	-1.51724629E-08
27	1.30890313E-07	-9.37472108E-08	-4.77418712E-08
28	1.30197089E-07	-1.06085085E-07	-7.06115842E-08
29	1.21499351E-07	-1.09590244E-07	-8.47717721E-08

L	R	8	8	8
		42	43	44
EIGENVALUE		-3.89342525E+01	-3.93755822E+01	-3.98197412E+01
COEFFICIENT				
K				
0		4.24653304E-06	-4.45793783E-06	-4.49908425E-06
1		5.96612654E-06	-6.44075631E-06	-6.63687987E-06
2		1.08477809E-05	-1.20990763E-05	-1.29799764E-05
3		3.89488314E-05	-4.76284645E-05	-5.66317701E-05
4		-9.83875296E-05	9.60088359E-05	9.64392298E-05
5		-6.09927768E-06	1.25675933E-05	1.83535763E-05
6		1.15158813E-05	-7.06418052E-06	-3.77281990E-06
7		1.19518162E-05	-1.03033591E-05	-8.36062422E-06
8		8.91832097E-06	-8.51424136E-06	-7.78859613E-06
9		5.86823817E-06	-6.07359270E-06	-6.00855633E-06
10		3.52753676E-06	-3.98595254E-06	-4.24249964E-06
11		1.89884127E-06	-2.42376932E-06	-2.81030479E-06
12		8.26661635E-07	-1.32657153E-06	-1.73990494E-06
13		1.53226554E-07	-5.67904584E-07	-9.75613866E-07
14		-2.46154060E-07	-1.10064477E-07	-4.49241233E-07
15		-4.61998190E-07	1.83787966E-07	-9.66381409E-08
16		-5.57619514E-07	3.50493483E-07	1.27669906E-07
17		-5.76495214E-07	4.30910847E-07	2.61281427E-07
18		-5.48171311E-07	4.53985011E-07	3.31271969E-07
19		-4.92576429E-07	4.40055890E-07	3.57362888E-07
20		-4.23050034E-07	4.03340384E-07	3.53857584E-07
21		-3.48429802E-07	3.53727112E-07	3.31086103E-07
22		-2.74478961E-07	2.93051690E-07	2.96487716E-07
23		-2.04859597E-07	2.40995302E-07	2.55402359E-07
24		-1.41796267E-07	1.65715906E-07	2.11644111E-07
25		-8.65290030E-08	1.34291373E-07	1.67915104E-07
26		-3.96230678E-08	8.80303975E-08	1.26103921E-07
27		-1.18109297E-09	4.76941670E-08	8.75007954E-08
28		2.90114414E-08	1.36460925E-08	5.29530043E-08
29		5.13863617E-08	-1.40342852E-08	2.29772467E-08

L	R	8	8	8
		45	46	47
EIGENVALUE		-4.02640040E+01	-4.07134654E+01	-4.12156015E+01
COEFFICIENT				
K				
0		4.36028756E-06	4.05362438E-06	4.48291487E-06
1		6.68036196E-06	6.43326087E-06	7.47820846E-06
2		1.34181656E-05	1.34075237E-05	1.63341006E-05
3		6.58382103E-05	7.55049424E-05	1.10811271E-04
4		-9.37715839E-05	-9.04906997E-05	-1.10100816E-04
5		-2.33371001E-05	-2.76431910E-05	-4.04236698E-05
6		-3.74268161E-08	-3.69770547E-06	-9.61151902E-06
7		6.21914995E-06	3.97483107E-06	1.82793743E-06
8		6.79941512E-06	5.62544541E-06	5.31178678E-06
9		5.70082702E-06	5.20422905E-06	5.70445643E-06
10		4.30419335E-06	4.20309111E-06	5.00553095E-06
11		3.05270190E-06	3.16668052E-06	4.02334009E-06
12		2.05382231E-06	2.27272996E-06	3.07012651E-06
13		1.30022880E-06	1.55881570E-06	2.25138717E-06
14		7.51417391E-07	1.01225604E-06	1.58813246E-06
15		3.63004518E-07	6.05659810E-07	1.06903712E-06
16		9.61740722E-08	3.10486511E-07	6.72566125E-07
17		-8.02792192E-08	1.01673170E-07	3.76066399E-07
18		-1.90477757E-07	-4.12978751E-08	1.59114899E-07
19		-2.52702101E-07	-1.34658712E-07	4.57842677E-09
20		-2.80664049E-07	-1.91025065E-07	-1.01522601E-07
21		-2.34594938E-07	-2.20112102E-07	-1.70358727E-07
22		-2.72109540E-07	-2.29367995E-07	-2.10779654E-07
23		-2.48867461E-07	-2.24492768E-07	-2.29765433E-07
24		-2.19070021E-07	-2.09847049E-07	-2.32813097E-07
25		-1.85829834E-07	-1.88767483E-07	-2.24252685E-07
26		-1.51444342E-07	-1.63807240E-07	-2.07499908E-07
27		-1.17597837E-07	-1.36918306E-07	-1.85248588E-07
28		-6.55105925E-08	-1.09589154E-07	-1.59634170E-07
29		-5.60490134E-08	-8.29485594E-08	-1.32342443E-07

R	8	8	8
R	48	49	50
EIGENVALUE	-4.26239384E+01	-4.53137624E+01	-4.90791294E+01
COEFFICIENT			
K			
0	1.61593221E-06	1.80173208E-05	-4.68648539E-05
1	4.70061782E-06	2.51493328E-05	-7.92164737E-05
2	1.34977847E-05	5.83886015E-05	-2.73454050E-04
3	2.37705992E-04	-3.88497765E-04	4.84269391E-04
4	-1.39503707E-04	5.73520564E-05	9.04449411E-05
5	-7.62260821E-05	7.39528812E-05	-5.98762926E-06
6	-3.25536965E-05	5.09658170E-05	-2.65529626E-05
7	-1.07984281E-05	3.10363353E-05	-2.67770686E-05
8	-8.63173663E-07	1.78133698E-05	-2.21653245E-05
9	3.26773812E-06	9.63081886E-06	-1.71613234E-05
10	4.63690372E-06	4.70499841E-06	-1.29172782E-05
11	4.73667406E-06	1.79529447E-06	-9.59144321E-06
12	4.29402917E-06	1.17645310E-07	-7.06575573E-06
13	3.66004527E-06	-8.09999780E-07	-5.17200297E-06
14	3.00019257E-06	-1.28238224E-06	-3.75837123E-06
15	2.38796372E-06	-1.48015171E-06	-2.70386501E-06
16	1.85148360E-06	-1.51455456E-06	-1.91664697E-06
17	1.39694497E-06	-1.45439506E-06	-1.32843443E-06
18	1.02044658E-06	-1.34232457E-06	-8.88847692E-07
19	7.13948461E-07	-1.20475082E-06	-5.60756915E-07
20	4.68214417E-07	-1.05792039E-06	-3.16729234E-07
21	2.74205366E-07	-9.11687628E-07	-1.36404829E-07
22	1.23679662E-07	-7.71871200E-07	-4.58780477E-09
23	9.39396303E-09	-6.41739416E-07	9.01349899E-08
24	-7.48897075E-08	-5.22952777E-07	1.56392599E-07
25	-1.34483743E-07	-4.16165125E-07	2.00753666E-07
26	-1.73886770E-07	-3.21408218E-07	2.28252997E-07
27	-1.96900307E-07	-2.38337911E-07	2.42776576E-07
28	-2.06737617E-07	-1.66391336E-07	2.47344631E-07
29	-2.06119709E-07	-1.04886592E-07	2.44320917E-07

R	8	8	8
R	51	52	53
EIGENVALUE	-5.39390013E+01	-5.99647617E+01	-6.57162875E+01
COEFFICIENT			
K			
0	2.98439504E-05	7.70686721E-05	-5.14374520E-05
1	6.41414078E-05	1.44265289E-04	-1.29779228E-04
2	5.22452901E-04	-1.16936631E-03	3.02145420E-04
3	-3.25138802E-04	1.38697897E-04	3.72295345E-05
4	-1.56875161E-04	1.73179793E-04	-7.19408396E-06
5	-6.80485470E-05	1.21164679E-04	-1.36477341E-05
6	-2.76818115E-05	7.89662404E-05	-1.24448218E-05
7	-9.44544064E-06	5.13797968E-05	-1.00455434E-05
8	-1.23286553E-06	3.39536057E-05	-7.87582442E-06
9	2.34460108E-06	2.28866237E-05	-6.16795496E-06
10	3.74206536E-06	1.57386624E-05	-4.87530336E-06
11	4.11152550E-06	1.10284482E-05	-3.90457628E-06
12	4.00689139E-06	7.86101675E-06	-3.17229285E-06
13	3.69857982E-06	5.68927784E-06	-2.61440255E-06
14	3.31892959E-06	4.17293548E-06	-2.18417027E-06
15	2.93164424E-06	3.09625681E-06	-1.84803839E-06
16	2.56589421E-06	2.31984948E-06	-1.58195266E-06
17	2.23344535E-06	1.75198053E-06	-1.36858455E-06
18	1.93740572E-06	1.33122322E-06	-1.19534688E-06
19	1.67673561E-06	1.01576740E-06	-1.05300595E-06
20	1.44857585E-06	7.76716385E-07	-9.34716467E-07
21	1.24943726E-06	5.93810760E-07	-8.35349225E-07
22	1.07579076E-06	4.52655317E-07	-7.51020154E-07
23	9.24341832E-07	3.42892667E-07	-6.78757747E-07
24	7.92140200E-07	2.56982574E-07	-6.16266157E-07
25	6.76605268E-07	1.89374786E-07	-5.61754825E-07
26	5.75510733E-07	1.35941189E-07	-5.13814794E-07
27	4.86951253E-07	9.35811543E-08	-4.71328046E-07
28	4.09303234E-07	5.99440761E-08	-4.33400425E-07
29	3.41185773E-07	3.32321528E-08	-3.99311550E-07

L	R	8	8	8
		54	55	56
EIGENVALUE		-7.82965350E+01	-1.24563603E+02	-3.03338403E+02
COEFFICIENT				
K				
0		4.49766936E-04	4.95335338E-03	3.42750009E-02
1		2.36275163E-03	-6.09204816E-03	3.69755939E-03
2		-1.44392890E-03	-1.45951350E-03	8.08299606E-04
3		-6.25296514E-04	-4.71257675E-04	2.43060810E-04
4		-2.82568981E-04	-1.81956058E-04	8.84182229E-05
5		-1.38040598E-04	-7.93938109E-05	3.65884843E-05
6		-7.22018855E-05	-3.76771371E-05	1.66373869E-05
7		-3.99699030E-05	-1.93604802E-05	8.13489465E-06
8		-2.31987206E-05	-1.04571814E-05	4.21526009E-06
9		-1.40140741E-05	-5.91058036E-06	2.29099813E-06
10		-8.76134154E-06	-3.47083630E-06	1.29612057E-06
11		-5.64348714E-06	-2.10592616E-06	7.58857224E-07
12		-3.73207845E-06	-1.31459341E-06	4.57705631E-07
13		-2.52654937E-06	-8.41366890E-07	2.83356656E-07
14		-1.74681775E-06	-5.50562354E-07	1.79515538E-07
15		-1.23097672E-06	-3.67489373E-07	1.16095180E-07
16		-8.62688915E-07	-2.49719126E-07	7.64828821E-08
17		-6.43131864E-07	-1.72467276E-07	5.12369281E-08
18		-4.75543858E-07	-1.20890185E-07	3.48506362E-08
19		-3.56460523E-07	-8.58931042E-08	2.40369319E-08
20		-2.70614060E-07	-6.17978676E-08	1.67915148E-08
21		-2.07893255E-07	-4.49774262E-08	1.18638544E-08
22		-1.61492222E-07	-3.30879151E-08	8.48109879E-09
23		-1.26760555E-07	-2.45852834E-08	6.12180549E-09
24		-1.00476035E-07	-1.84384024E-08	4.46054139E-09
25		-8.03768142E-08	-1.39493408E-08	3.27871992E-09
26		-6.48557873E-08	-1.05397402E-08	2.42988007E-09
27		-5.27579891E-08	-8.17788151E-09	1.81471096E-09
28		-4.32444678E-08	-6.33120405E-09	1.36511915E-09
29		-3.56995504E-08	-4.93498394E-09	1.03392677E-09

L	R	9	9	9
		0	1	2
EIGENVALUE		-3.08588162E+01	-3.09743846E+01	-3.11040431E+01
COEFFICIENT				
K				
0		-1.19399150E-13	1.40586532E-12	-4.23479230E-12
1		-2.26647714E-13	1.26954272E-12	-5.12797845E-12
2		-3.40165934E-13	1.09489741E-12	-6.02061396E-12
3		-4.60054504E-13	9.12566643E-13	-6.98651576E-12
4		-5.94325294E-13	7.78997056E-13	-8.24382696E-12
5		-7.67598515E-13	7.81018041E-13	-1.02693624E-11
6		-1.03747717E-12	1.05590159E-12	-1.40464701E-11
7		-1.53277177E-12	1.85649011E-12	-2.17034528E-11
8		-2.55767922E-12	3.74846105E-12	-3.83603948E-11
9		-4.91493180E-12	8.24746645E-12	-7.82103044E-11
10		-1.10712617E-11	2.02069936E-11	-1.68416688E-10
11		-3.03087976E-11	5.90498626E-11	-5.70740410E-10
12		-1.09422808E-10	2.33892211E-10	-2.52811450E-09
13		-6.37156407E-10	1.72917181E-09	-2.82257534E-09
14		-1.52718064E-08	-8.87382219E-08	2.76623957E-07
15		1.23239756E-07	3.73576979E-07	-6.66342219E-07
16		-3.59200720E-07	-6.29309917E-07	5.72636323E-07
17		5.54179552E-07	4.22289897E-07	-7.45039683E-08
18		-5.01974451E-07	1.04357653E-07	-3.48445901E-07
19		2.69533760E-07	-3.64212605E-07	-1.72768472E-07
20		-7.97292239E-08	2.41635145E-07	2.92293780E-08
21		9.99926453E-09	-6.76157451E-08	-1.93161496E-07
22		1.62844195E-11	5.63594361E-09	4.45117723E-08
23		1.62591494E-12	2.63646671E-10	-1.47157624E-09
24		2.87498763E-13	3.75840024E-11	-1.35729531E-10
25		6.80476326E-14	8.15881639E-12	-2.47972423E-11
26		1.93214669E-14	2.25958080E-12	-3.25939152E-12
27		0.	7.36416279E-13	-1.92717039E-12
28		0.	2.69871825E-13	-6.78692867E-13
29		0.	1.08158455E-13	-2.62477180E-13



L R	9 3	9 4	9 5
EIGENVALUE	-3.12474757E+01	-3.14043427E+01	-3.15742842E+01
COEFFICIENT			
K			
0	1.19652085E-12	2.29496544E-11	3.73057887E-11
1	-1.39123426E-12	2.25551872E-11	4.57363037E-11
2	-4.22151931E-12	2.17895780E-11	5.65381629E-11
3	-7.24363379E-12	2.11339821E-11	6.75008212E-11
4	-1.05162218E-11	2.16031595E-11	8.16705002E-11
5	-1.43944886E-11	2.50028278E-11	1.04684717E-10
6	-1.98769825E-11	3.46688262E-11	1.46829043E-10
7	-2.94219587E-11	5.75929952E-11	2.33325417E-10
8	-4.92818877E-11	1.11040096E-10	4.29214352E-10
9	-9.74155251E-11	2.46084961E-10	9.35534617E-10
10	-2.36343079E-10	6.51778115E-10	2.54739161E-09
11	-7.57081989E-10	2.30997598E-09	9.98832050E-09
12	-3.93333060E-09	1.53373263E-08	9.96297833E-08
13	-1.25865711E-07	-3.44142417E-07	-6.80644341E-07
14	5.77884651E-07	8.79501188E-07	9.96124372E-07
15	-7.94014734E-07	-5.91492871E-07	-1.23668228E-07
16	1.64938308E-07	-2.90765574E-07	-4.49409509E-07
17	3.83285180E-07	2.37919997E-07	-1.27490596E-07
18	-3.70891279E-08	2.67514424E-07	1.94235364E-07
19	-2.70159078E-07	-3.01992142E-08	2.14072885E-07
20	-2.66589557E-08	-2.16812455E-07	6.52333578E-09
21	-2.52074351E-07	-6.15278767E-08	-1.70794671E-07
22	-1.43703799E-07	2.18983139E-07	-9.80376319E-08
23	2.39092252E-08	-9.89600881E-08	1.83677390E-07
24	4.46911054E-10	9.82450040E-09	-6.11229948E-08
25	6.05007477E-11	6.71647418E-10	2.21479311E-09
26	1.32398302E-11	1.17972668E-10	2.53512483E-10
27	3.74147624E-12	2.98274998E-11	5.36824289E-11
28	1.24916706E-12	9.30029995E-12	1.52720487E-11
29	4.72286802E-13	3.33330265E-12	5.14361142E-12

L R	9 6	9 7	9 8
EIGENVALUE	-3.17569241E+01	-3.19518737E+01	-3.21587345E+01
COEFFICIENT			
K			
0	8.92389609E-12	1.26480428E-10	-2.09725163E-10
1	-9.36851760E-12	1.21021403E-10	-2.47911423E-10
2	-9.4605098E-11	1.13892283E-10	-2.83385516E-10
3	-5.12338633E-11	1.07863967E-10	-3.36541531E-10
4	-7.54702474E-11	1.08566770E-10	-4.05844995E-10
5	-1.05355648E-10	1.26112818E-10	-5.25655295E-10
6	-1.49553136E-10	1.79917180E-10	-7.60915196E-10
7	-2.30144733E-10	3.13453846E-10	-1.27033957E-09
8	-4.07718835E-10	6.44654761E-10	-2.50967460E-09
9	-8.79035562E-10	1.57320346E-09	-6.13183952E-09
10	-2.48641033E-09	5.00326479E-09	-2.09118738E-08
11	-1.11982911E-08	2.81024621E-08	-1.61205459E-07
12	-3.01985293E-07	-6.43324046E-07	1.07273180E-06
13	1.04169440E-06	1.26328866E-06	-1.19957881E-06
14	-7.97753426E-06	-3.22123050E-07	-2.27163208E-07
15	-3.44782096E-07	-5.42107601E-07	3.83081347E-07
16	2.32829785E-07	-1.36086186E-07	3.63721100E-07
17	3.21132425E-07	1.94291931E-07	8.91857624E-08
18	9.29921289E-08	2.45583217E-07	-1.35962926E-07
19	-1.36543586E-07	9.75868323E-08	-1.94253597E-07
20	-1.82410594E-07	-7.99171695E-08	-1.09039622E-07
21	-4.68759706E-08	-1.52752390E-07	2.81034942E-08
22	1.22965443E-07	-7.96282336E-08	1.18224365E-07
23	1.25334967E-07	7.25062012E-08	9.89084453E-08
24	-1.45357713E-07	1.38597378E-07	-2.31258440E-08
25	3.32611096E-08	-1.07062644E-07	-1.37355193E-07
26	7.21714322E-10	1.49528310E-08	7.25608507E-08
27	1.12585245E-10	1.10115769E-09	-4.62675002E-09
28	2.75587160E-11	2.13599142E-10	-5.54746916E-10
29	8.54914324E-12	5.87588662E-11	-1.26483285E-10

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L R	9 9	9 10	9 11
EIGENVALUE	-3.23771023E+01	-3.26065691E+01	-3.28467265E+01
COEFFICIENT			
K			
0	8.30212451E-11	-3.16218095E-10	-7.73715879E-10
1	1.66162362E-10	-2.47565598E-10	-8.19125895E-10
2	2.57325908E-10	-1.70921337E-10	-8.69208119E-10
3	3.60266594E-10	-9.20005900E-11	-9.44857685E-10
4	4.87034227E-10	-1.98872719E-11	-1.09287662E-09
5	6.68741213E-10	3.37485857E-11	-1.41143787E-09
6	9.81513624E-10	5.32471408E-11	-2.12221841E-09
7	1.62323654E-09	1.03504189E-11	-3.80851738E-09
8	3.19189189E-09	-1.72738577E-10	-8.38502753E-09
9	8.01468029E-09	-8.18688843E-10	-2.47049103E-08
10	3.03838726E-08	-4.33096484E-09	-1.37477049E-07
11	4.35838163E-07	8.58315394E-07	-1.36893722E-06
12	-1.46377472E-06	-1.65992018E-06	-1.54734411E-06
13	8.15693586E-07	2.22851217E-07	-3.69567451E-07
14	5.98734351E-07	6.39314501E-07	3.69519025E-07
15	-8.95517460E-09	3.31459052E-07	4.48075549E-07
16	-3.02775542E-07	-3.86832509E-08	2.26125945E-07
17	-2.69792039E-07	-2.22617153E-07	-1.67875810E-08
18	-8.84909990E-08	-2.14140548E-07	-1.55409264E-07
19	7.97201464E-08	-9.87290858E-08	-1.72663765E-07
20	1.50502579E-07	3.02365737E-08	-1.06162156E-07
21	1.14712862E-07	1.08232793E-07	-1.01525557E-08
22	1.54928259E-08	1.10113858E-07	6.71264279E-08
23	-7.90305760E-08	4.76443034E-08	9.52053706E-08
24	-1.02655211E-07	-3.88859781E-08	6.64575944E-08
25	-2.01786377E-08	-9.21228668E-08	-2.49422578E-09
26	1.24269854E-07	-5.33604535E-08	-7.09907495E-08
27	-4.45757206E-08	1.03663032E-07	-7.44464357E-08
28	-4.53020097E-11	-2.41558831E-08	-8.00883648E-08
29	-7.03750063E-12	-1.36862600E-09	-1.08509722E-08

L R	9 12	9 13	9 14
EIGENVALUE	-3.30971676E+01	-3.33574896E+01	-3.36272948E+01
COEFFICIENT			
K			
0	-8.48650426E-10	1.71243470E-10	-1.20162009E-09
1	-1.06946273E-09	5.05548996E-10	-9.57054753E-10
2	-1.31659808E-09	8.78982508E-10	-6.91998948E-10
3	-1.62126501E-09	1.31278057E-09	-4.25530557E-10
4	-2.05968488E-09	1.86573036E-09	-1.90317741E-10
5	-2.80760178E-09	2.69006603E-09	-3.42525628E-11
6	-4.29154143E-09	4.18471368E-09	-3.86375448E-11
7	-7.69837743E-09	7.52545553E-09	-4.00805262E-10
8	-1.71740391E-08	1.71084215E-08	-1.86261391E-09
9	-5.41504814E-08	5.89264399E-08	-9.56927326E-09
10	-4.18357935E-07	8.63538700E-07	-1.43681894E-06
11	1.84735860E-06	-2.14969907E-06	-2.16109697E-06
12	-1.11392824E-06	4.62081466E-07	-2.29387264E-07
13	-7.53273763E-07	8.13072641E-07	5.66147602E-07
14	-4.63354151E-08	4.00606529E-07	5.45421773E-07
15	3.06823652E-07	-1.67278154E-08	2.56807915E-07
16	3.26676548E-07	-2.26768767E-07	-9.65923526E-09
17	1.82330548E-07	-2.47056163E-07	-1.57489779E-07
18	1.46196659E-08	-1.59653247E-07	-1.88593231E-07
19	-9.90766203E-08	-4.25626288E-08	-1.42134324E-07
20	-1.35381823E-07	5.19990341E-08	-6.26666154E-08
21	-1.05872791E-07	9.93832148E-08	1.39356588E-08
22	-3.97161258E-08	9.70947927E-08	6.50550579E-08
23	2.94313028E-08	5.76928666E-08	8.13153689E-08
24	7.26103352E-08	2.09009000E-09	6.45968693E-08
25	7.20204315E-08	-4.62311083E-08	2.53735710E-08
26	2.61884803E-08	-6.63107470E-08	-2.00879216E-08
27	-4.41135805E-08	-4.48936893E-08	-5.25864968E-08
28	-8.36755441E-08	1.62909237E-08	-5.3252100E-08
29	5.72980247E-08	8.29811171E-08	-8.63170781E-09

L R	9 15	9 16	9 17
EIGENVALUE	-3.39061930E+01	-3.41938019E+01	-3.44897490E+01
COEFFICIENT			
K			
0	2.64623760E-09	-3.19556786E-09	-2.03897301E-09
1	2.74968910E-09	-3.80247627E-09	-3.05927943E-09
2	2.89123912E-09	-4.52515285E-09	-4.24318377E-09
3	3.15364753E-09	-5.50425267E-09	-5.73938450E-09
4	3.72159513E-09	-7.06916993E-09	-7.90855299E-09
5	5.00456238E-09	-1.00016974E-08	-1.16540283E-08
6	8.02738989E-09	-1.63783173E-08	-1.94986773E-08
7	1.59541318E-08	-3.30033498E-08	-4.02099100E-08
8	4.24147801E-08	-9.20945523E-08	-1.20018744E-07
9	2.05113916E-07	-5.66826535E-07	-1.10051557E-06
10	-2.04816923E-06	2.57377661E-06	2.88979976E-06
11	1.83968447E-06	-1.23356144E-06	-4.65988646E-07
12	7.72788578E-07	-1.03634249E-06	-9.81043331E-07
13	-1.38792326E-07	-2.97197986E-07	-5.93530097E-07
14	-4.46685694E-07	1.75879871E-07	-1.40395298E-07
15	-3.85791590E-07	3.31236899E-07	1.40504281E-07
16	-1.95020887E-07	2.88247715E-07	2.41860521E-07
17	-1.37731045E-08	1.64457202E-07	2.22553937E-07
18	1.00812139E-07	3.70225271E-08	1.44803953E-07
19	1.41159996E-07	-5.52446796E-08	5.48323726E-08
20	1.23882465E-07	-1.00588439E-07	-1.95306354E-08
21	7.37795132E-08	-1.03456689E-07	-6.55981468E-08
22	1.48783446E-08	-7.63708666E-08	-8.14278199E-08
23	-3.40204331E-08	-3.44605912E-08	-7.18610673E-08
24	-6.11486510E-08	7.97182785E-09	-4.54072141E-08
25	-6.21275236E-08	3.95043678E-08	-1.19372213E-08
26	-3.95968635E-08	5.27813112E-08	1.89873347E-08
27	-2.52612168E-09	4.52150275E-08	3.93495659E-08
28	3.45793593E-08	1.95003089E-08	4.36733133E-08
29	5.24968445E-08	-1.57645426E-08	2.99947366E-08

L R	9 18	9 19	9 20
EIGENVALUE	-3.47936717E+01	-3.51052187E+01	-3.54240499E+01
COEFFICIENT			
K			
0	9.66978998E-10	5.05557001E-09	-8.71429248E-09
1	-9.24460837E-11	4.51139441E-09	-9.20467015E-09
2	-1.27791984E-09	3.99383821E-09	-9.96661729E-09
3	-2.65666257E-09	3.61795331E-09	-1.13635253E-08
4	-4.40820881E-09	3.63164820E-09	-1.42412588E-08
5	-7.03719357E-09	4.57860639E-09	-2.06979728E-08
6	-1.20682173E-08	7.92858130E-09	-3.69989728E-08
7	-2.51926562E-08	1.92307942E-08	-8.90626836E-08
8	-8.05139553E-08	7.67396774E-08	-3.93103165E-07
9	-1.76873851E-06	-2.49351608E-06	3.17083872E-06
10	2.90724360E-06	2.59614699E-06	-1.99248080E-06
11	3.02584187E-07	9.19861822E-07	-1.27907959E-06
12	-6.60874079E-07	-1.93517462E-07	2.82532111E-07
13	-6.71650537E-07	-5.34811463E-07	2.50609719E-07
14	-3.80454179E-07	-4.70647684E-07	4.00287957E-07
15	-9.20037129E-08	-2.72814262E-07	3.44022950E-07
16	9.45115706E-08	-8.05131355E-08	2.12689547E-07
17	1.73606855E-07	5.31917223E-08	8.02942749E-08
18	1.73439351E-07	1.20541173E-07	-1.98453074E-08
19	1.27971647E-07	1.33716213E-07	-7.87519526E-08
20	6.58557543E-08	1.11059251E-07	-1.00192977E-07
21	7.22731089E-09	7.03314696E-08	-9.34599499E-08
22	-3.60937571E-08	2.58649500E-08	-6.92248607E-08
23	-5.91586166E-08	-1.22699020E-08	-3.73435647E-08
24	-6.21733271E-08	-3.81315705E-08	-5.81853827E-09
25	-4.89030459E-08	-4.93675419E-08	1.95820646E-08
26	-2.53161059E-08	-4.65484025E-08	3.53545101E-08
27	1.53558077E-09	-3.25052411E-08	4.01175031E-08
28	2.44590035E-08	-1.17175590E-08	3.43988861E-08
29	3.69790209E-08	1.02473969E-08	2.04048623E-08

L	R	9 21	9 22	9 23
	EIGENVALUE	-3.57493370E+01	-3.60822637E+01	-3.64210260E+01
	COEFFICIENT			
K				
0		1.01981894E-08	-8.18351873E-09	-2.30986316E-09
1		1.19666871E-08	-1.10302033E-08	-5.56620347E-09
2		1.42623961E-08	-1.45502110E-08	-9.41413204E-09
3		1.76808174E-08	-1.94432146E-08	-1.44223948E-08
4		2.36426522E-08	-2.74087681E-08	-2.19986698E-08
5		3.58363263E-08	-4.00293102E-08	-3.61109824E-08
6		6.58632883E-08	-8.14370614E-08	-7.05726303E-08
7		1.65731151E-07	-2.16681695E-07	-2.0002215E-07
8		8.88157435E-07	-1.55145223E-06	-2.34095527E-06
9		-3.69225691E-06	3.96721332E-06	3.94043543E-06
10		1.18772329E-06	-3.06266763E-07	5.21789522E-07
11		1.33883383E-06	-1.12366226E-06	-7.08369801E-07
12		6.48120975E-07	-8.28825191E-07	-8.08771054E-07
13		8.23107034E-08	-3.66603734E-07	-5.41122238E-07
14		-2.11370687E-07	-2.59358677E-08	-2.39948882E-07
15		-2.95566811E-07	1.57703444E-07	-1.75559116E-08
16		-2.60063264E-07	2.17384755E-07	1.09349473E-07
17		-1.74331676E-07	2.00450368E-07	1.58494613E-07
18		-8.18422103E-08	1.46195663E-07	1.55398678E-07
19		-5.44474032E-09	8.17578443E-08	1.23104799E-07
20		4.38848872E-09	2.34698790E-08	7.91116276E-08
21		7.15661455E-08	-2.04535614E-08	3.52544222E-08
22		7.55549562E-08	-4.73505636E-08	-1.38347816E-09
23		6.38218601E-08	-5.80716385E-08	-2.73425552E-08
24		4.27897477E-08	-5.54864556E-08	-4.17548727E-08
25		1.84134966E-08	-4.34416865E-08	-4.55006732E-08
26		-4.33074897E-09	-2.60555705E-08	-4.05567792E-08
27		-2.17058801E-08	-7.24956263E-09	-2.5076618E-08
28		-3.13293226E-08	9.56093576E-09	-1.51825742E-08
29		-3.22130336E-08	2.16757873E-08	-3.84053936E-10

L	R	9 24	9 25	9 26
	EIGENVALUE	-3.67658320E+01	-3.71164019E+01	-3.74724682E+01
	COEFFICIENT			
K				
0		6.57941515E-09	-1.65668051E-08	2.51038502E-08
1		3.91640314E-09	-1.55789425E-08	2.66481406E-08
2		1.04116833E-09	-1.50406923E-08	2.94740567E-08
3		-2.18610863E-09	-1.55251413E-08	3.50434962E-08
4		-6.13704845E-09	-1.84277719E-08	4.70382960E-08
5		-1.20190494E-08	-2.76393792E-08	7.61955458E-08
6		-2.44790442E-08	-5.74216677E-08	1.65210519E-07
7		-7.19160032E-08	-2.04723519E-07	6.52279632E-07
8		-3.18627846E-06	4.00903704E-06	-4.71573175E-06
9		3.60089967E-06	-2.98154683E-06	2.13120569E-06
10		1.18523499E-06	-1.60914067E-06	1.76195330E-06
11		-1.95035299E-07	-3.11869881E-07	7.25113887E-07
12		-6.14153562E-07	3.07141777E-07	3.84246991E-08
13		-5.72057696E-07	4.71312877E-07	-2.76231578E-07
14		-3.77555075E-07	4.13989339E-07	3.52747547E-07
15		-1.76665877E-07	2.79717902E-07	-3.07366128E-07
16		-2.39832800E-08	1.42435864E-07	-2.16817788E-07
17		7.00373274E-08	3.33093553E-08	-1.21349030E-07
18		1.13376900E-07	-3.93970532E-08	-4.13452863E-08
19		1.19742768E-07	-7.83644940E-08	1.61745519E-08
20		1.02817475E-07	-9.07253013E-08	5.11402315E-08
21		7.40095207E-08	-8.44596096E-08	6.68268929E-08
22		4.18688343E-08	-6.69752657E-08	6.77763927E-08
23		1.22315285E-08	-4.43596845E-08	5.86612744E-08
24		-1.13643935E-08	-2.12364185E-08	4.37096959E-08
25		-2.72057343E-08	-8.39115501E-10	2.64458333E-08
26		-3.49638878E-08	1.48177662E-08	9.62284760E-09
27		-3.53188665E-08	2.47409478E-08	-4.77135342E-09
28		-2.96511742E-08	2.87662402E-08	-1.54493047E-08
29		-1.97933466E-08	2.73860858E-08	-2.17483203E-08

L R	K	9		
		27	28	29
EIGENVALUE		-3.78337749E+01	-3.82000779E+01	-3.85711440E+01
COEFFICIENT				
0		2.96257773E-08	2.81667719E-08	-1.98283804E-08
1		3.40680339E-08	3.52193174E-08	-2.85310098E-08
2		4.05972114E-08	4.48967684E-08	-3.98971438E-08
3		5.15486757E-08	6.01455228E-08	-5.69677081E-08
4		7.29074113E-08	8.86383430E-08	-8.77848658E-08
5		1.22825316E-07	1.54512010E-07	-1.58606614E-07
6		2.78289403E-07	3.67290236E-07	-3.97617973E-07
7		1.27623011E-06	2.05730984E-06	-2.95893726E-06
8		-5.23040616E-06	-5.49484562E-06	5.47695959E-06
9		1.20149381E-06	2.31973733E-07	6.63678302E-07
10		1.65457091E-06	1.33189618E-06	-8.60895067E-07
11		9.87037418E-07	1.07367739E-06	-9.92130556E-07
12		3.53340591E-07	5.85208938E-07	-7.04449778E-07
13		-3.76816279E-08	1.93259047E-07	-3.75295513E-07
14		-2.18649755E-07	-4.77967948E-08	-1.22333765E-07
15		-2.63314455E-07	-1.64202367E-07	3.71742158E-08
16		-2.34040167E-07	-1.96742940E-07	1.19234960E-07
17		-1.73192674E-07	-1.80509991E-07	1.46744242E-07
18		-1.06252077E-07	-1.40762952E-07	1.40200638E-07
19		-4.68298815E-08	-9.39057246E-08	1.15268956E-07
20		-9.22689623E-10	-4.96451007E-08	8.28805817E-08
21		3.00358043E-08	-1.30367525E-08	5.01092869E-08
22		4.71471955E-08	1.39125808E-08	2.11432094E-08
23		5.27638370E-08	3.10907942E-08	-1.87670464E-09
24		4.97057728E-08	3.94869257E-08	-1.82024065E-08
25		4.08023685E-08	4.06628541E-08	-2.79941557E-08
26		2.86380931E-08	3.64106382E-08	-3.19727856E-08
27		1.54233029E-08	2.85358563E-08	-3.11754043E-08
28		2.93928368E-09	1.87244535E-08	-2.67863412E-08
29		-7.47441708E-09	8.46368697E-09	-2.00213927E-08

L R	K	9		
		30	31	32
EIGENVALUE		-3.89467509E+01	-3.93266870E+01	-3.97107515E+01
COEFFICIENT				
0		-5.00969618E-09	-1.46256262E-08	-3.64125122E-08
1		-1.38550032E-08	-7.45192058E-09	-3.27259393E-08
2		-2.47345776E-08	3.98624925E-10	-3.03751590E-08
3		-4.00603705E-08	9.87618295E-09	-3.06788599E-08
4		-6.63003464E-08	2.35264725E-08	-3.74224809E-08
5		-1.25446379E-07	5.05453899E-08	-6.39888218E-08
6		-3.33904004E-07	1.44578438E-07	-1.94136465E-07
7		-3.92835575E-06	4.90315646E-06	5.81793524E-06
8		5.17293373E-06	-4.60552929E-06	-3.81942514E-06
9		1.40846590E-06	-1.94884839E-06	-2.25739058E-06
10		-3.17695540E-07	-2.23965978E-07	-7.01543491E-07
11		-7.73387338E-07	4.63057494E-07	1.12054132E-07
12		-7.04714267E-07	5.99201609E-07	4.14673744E-07
13		-4.82492652E-07	5.05625408E-07	4.50273202E-07
14		-2.60530965E-07	3.46321823E-07	3.71328380E-07
15		-8.99578331E-08	1.93892579E-07	2.59189245E-07
16		2.18568911E-08	7.44735567E-08	1.52420436E-07
17		8.37477166E-08	-7.42906761E-09	6.63155256E-08
18		1.08680665E-07	-5.62711200E-08	4.39999843E-09
19		1.08915503E-07	-7.93604496E-08	-3.52345458E-08
20		9.44106255E-08	-8.41037844E-08	5.66017936E-08
21		7.25993109E-08	-7.69106887E-08	-6.41576852E-08
22		4.86836453E-08	-6.28820580E-08	-6.20317026E-08
23		2.60713317E-08	-4.58457127E-08	-5.37238636E-08
24		6.80216940E-09	-2.85255097E-08	-4.20343715E-08
25		-8.08904999E-09	-1.27438140E-08	-2.91016384E-08
26		-1.82834282E-08	3.86294798E-10	-1.64839954E-08
27		-2.39559483E-08	1.02952044E-08	-5.25264888E-09
28		-2.56086998E-08	1.68206387E-08	3.91935197E-09
29		-2.39471903E-08	2.00989889E-08	1.06783705E-08

RF	9 33	9 34	9 35
EIGENVALUE	-4.00987533E+01	-4.04905112E+01	-4.08858526E+01
Coefficient			
K			
0	5.71059572E-08	7.33723677E-08	-8.22651041E-08
1	5.84094130E-08	8.05865994E-08	-9.55434228E-08
2	6.35083245E-08	9.41806004E-08	-1.17513189E-07
3	7.66192375E-08	1.21572871E-07	-1.58654903E-07
4	1.09902766E-07	1.84524467E-07	-2.50313940E-07
5	2.08980739E-07	3.68649720E-07	-5.21866661E-07
6	6.95314320E-07	1.35976010E-06	-2.17582835E-06
7	-6.61072081E-06	-7.22841894E-06	7.63078702E-06
8	2.87472882E-06	1.83977930E-06	-7.84206723E-07
9	2.33182518E-06	2.19143420E-06	-1.87178295E-06
10	1.06914880E-06	1.29977027E-06	-1.38476356E-06
11	2.31314640E-07	5.27058831E-07	-7.46806076E-07
12	-1.84807118E-07	5.58823447E-08	-2.76782936E-07
13	-3.32930203E-07	-1.76349232E-07	5.07940549E-09
14	-3.38168240E-07	-2.57803482E-07	1.46227103E-07
15	-2.79325834E-07	-2.55942488E-07	1.96928362E-07
16	-2.00637629E-07	-2.14482380E-07	1.95400373E-07
17	-1.24616732E-07	-1.59306832E-07	1.67334397E-07
18	-6.11808831E-08	-1.04556883E-07	1.28775037E-07
19	-1.33667046E-08	-5.71407571E-08	8.91052151E-08
20	1.92987290E-08	-1.97243647E-08	5.33658599E-08
21	3.88854734E-08	7.38970267E-09	2.38813384E-08
22	4.80159998E-08	2.51213305E-08	1.34153659E-09
23	4.93219758E-08	3.49399490E-08	-1.44999348E-08
24	4.51841032E-08	3.84802248E-08	-2.43857016E-08
25	3.76274997E-08	3.73322727E-08	-2.92834325E-08
26	2.82993746E-08	3.29354264E-08	-3.02230360E-08
27	1.84875811E-08	2.65320994E-08	-2.82024089E-08
28	9.15710440E-09	1.91554267E-08	-2.41358960E-08
29	9.92161773E-10	1.16349643E-08	-1.38288896E-08

L R	9 36	9 37	9 38
EIGENVALUE	-4.12846131E+01	-4.16866360E+01	-4.20917718E+01
Coefficient			
K			
0	-8.16163116E-08	-7.02996939E-08	4.83495881E-08
1	-1.00265504E-07	-9.28128729E-08	7.25384549E-08
2	-1.29224252E-07	-1.26169289E-07	1.06710666E-07
3	-1.81377080E-07	-1.84465734E-07	1.64495446E-07
4	-2.96061306E-07	-3.11663258E-07	2.89303348E-07
5	-6.43971591E-07	-7.08883766E-07	6.91247168E-07
6	-3.12046904E-06	-4.16121707E-06	5.25877844E-06
7	7.79273095E-06	7.70496450E-06	-7.37325270E-06
8	2.27032337E-07	1.13820456E-06	-1.90576223E-06
9	-1.41878783E-06	-8.82931723E-07	3.14211846E-07
10	-1.33135984E-06	-1.15898929E-06	8.95143509E-07
11	-8.74884867E-07	-9.07640726E-07	8.51540200E-07
12	-4.54281317E-07	-5.73231442E-07	6.27047515E-07
13	-1.58177029E-07	-2.95086781E-07	3.93046736E-07
14	2.12041049E-08	-1.00452132E-07	2.04822857E-07
15	1.14002291E-07	2.03146900E-08	7.15734311E-08
16	1.49473304E-07	8.56080552E-08	-1.37526639E-08
17	1.50212525E-07	1.12873886E-07	-6.22877268E-08
18	1.32028999E-07	1.15945505E-07	-8.46595615E-08
19	1.05319337E-07	1.04905443E-07	-8.95698700E-08
20	7.65618616E-08	8.67185284E-08	-8.36248975E-08
21	4.95423535E-08	6.59845436E-08	-7.16048795E-08
22	2.62605651E-08	4.55953554E-08	-5.68383716E-08
23	7.56772709E-09	2.72482709E-08	-4.15549080E-08
24	-6.40019440E-09	1.18258098E-08	-2.71769786E-08
25	-1.59315275E-08	-3.31967460E-10	-1.45473255E-08
26	-2.15490109E-08	-9.23603599E-09	-4.09991498E-09
27	-2.38867378E-08	-1.51157634E-08	4.01413578E-09
28	-2.36122279E-08	-1.83280558E-08	9.83508193E-09
29	-2.13782216E-08	-1.92957841E-08	1.35287342E-08

L R 9  
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EIGENVALUE -4.24998787E+01

COEFFICIENT

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1.69390169E-08  
4.01445132E-08  
7.08933515E-08  
1.20285542E-07  
2.24359086E-07  
5.68398386E-07  
6.36983830E-06  
-6.81654875E-06  
-2.49975556E-06  
-2.41831866E-07  
5.71351125E-07  
7.20608803E-07  
6.16781540E-07  
4.45522450E-07  
2.81993934E-07  
1.51149179E-07  
5.66027525E-08  
-6.11912861E-09  
-4.37425060E-08  
-6.28455103E-08  
-6.90110809E-08  
-6.66524737E-08  
-5.91061459E-08  
-4.88100914E-08  
-3.74901447E-08  
-2.63248117E-08  
-1.60805895E-08  
-7.21864977E-09  
2.30542141E-11  
5.56754260E-09

L R 9  
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EIGENVALUE -4.29108254E+01

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2.17580033E-08  
-2.40581103E-09  
-5.04337314E-08  
-5.30464396E-08  
-1.15978726E-07  
-3.22011789E-07  
-7.44962846E-06  
6.06431588E-06  
2.90383852E-06  
7.46850061E-07  
-2.19669506E-07  
-5.33667409E-07  
-5.49564321E-07  
-4.51594022E-07  
-3.26410539E-07  
-2.10796462E-07  
-1.17504474E-07  
-4.83834377E-08  
-8.12911190E-10  
2.92529963E-08  
4.59236871E-08  
5.28270972E-08  
5.29490468E-08  
4.86430547E-08  
4.17068222E-08  
3.34766577E-08  
2.49184015E-08  
1.67066712E-08  
9.29046844E-09  
2.94590367E-09

-6.47786804E-08  
-5.20816101E-08  
-4.14406050E-08  
-3.36927353E-08  
-3.26607108E-08  
-6.05966043E-08  
8.45331312E-06  
-5.15315861E-06  
-3.11392923E-06  
-1.17108546E-06  
-1.30031453E-07  
3.11726721E-07  
4.36744176E-07  
4.14955605E-07  
3.36614822E-07  
2.46071363E-07  
1.63147885E-07  
9.51692254E-08  
4.34130270E-08  
6.46825571E-09  
-1.80669574E-08  
-3.27631260E-08  
-3.99911528E-08  
-4.17839581E-08  
-3.98100557E-08  
-3.53977769E-08  
-2.95789314E-08  
-2.31366002E-08  
-1.66500556E-08  
-1.05340699E-08

L R 9  
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EIGENVALUE -4.37409952E+01

COEFFICIENT

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-1.08573569E-07  
-1.04992095E-07  
-1.10199233E-07  
-1.34253311E-07  
-2.14245343E-07  
-5.85108844E-07  
9.33299708E-06  
-4.12232592E-06  
-3.13496937E-06  
-1.49304742E-06  
-4.51658325E-07  
7.58461744E-08  
2.91981126E-07  
3.42557589E-07  
3.14479458E-07  
2.55445225E-07  
1.90004759E-07  
1.29769103E-07  
7.93921658E-08  
3.99445405E-08  
1.07703810E-08  
-9.51451729E-09  
-2.25031615E-08  
-2.97408499E-08  
-3.26108544E-08  
-3.22950271E-08  
-2.97721999E-08  
-2.58341474E-08  
-2.11083236E-08  
-1.60818225E-08

L R 9  
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EIGENVALUE -4.41618289E+01

COEFFICIENT

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1.48978190E-07  
1.56373912E-07  
1.79993167E-07  
2.40717103E-07  
4.16792531E-07  
1.24727044E-06  
-1.00183039E-05  
3.00500012E-06  
2.97256001E-06  
1.69557728E-06  
7.22447863E-07  
1.54182716E-07  
-1.29371860E-07  
-2.42826527E-07  
-2.63808010E-07  
-2.39361428E-07  
-1.96306230E-07  
-1.49128719E-07  
-1.05107145E-07  
-6.74386701E-08  
-3.70885019E-08  
-1.38612850E-08  
2.98962884E-09  
1.44236721E-08  
2.14314748E-08  
2.49431463E-08  
2.57871763E-08  
2.46771215E-08  
2.22128942E-08  
1.88891343E-08

-2.63596551E-07  
-2.94283475E-07  
-3.60415882E-07  
-5.11117557E-07  
-9.36479947E-07  
-3.10369292E-06  
1.48086578E-05  
-2.27983420E-06  
-3.61082528E-06  
-2.49465040E-06  
-1.34580933E-06  
-5.58362562E-07  
-9.55852141E-08  
1.44070906E-07  
2.46005673E-07  
2.68975528E-07  
2.50233539E-07  
2.12273671E-07  
1.68112755E-07  
1.24897650E-07  
8.62317346E-08  
5.36322700E-08  
2.74270669E-08  
7.29839133E-09  
-7.39198420E-09  
-1.74122595E-08  
-2.35521174E-08  
-2.65637929E-08  
-2.71327037E-08  
-2.58653803E-08

L R	9 45	9 46	9 47
EIGENVALUE	-4.59568745E+01	-4.81240039E+01	-5.11324803E+01
COEFFICIENT			
0	4.50714560E-07	2.87381836E-09	-1.43948329E-06
1	5.63014073E-07	-1.28116803E-07	-1.67663052E-06
2	7.62551621E-07	-3.10196982E-07	-2.24804386E-06
3	1.18669865E-06	-6.52877327E-07	-3.84150129E-06
4	2.42050992E-06	-1.71702923E-06	-1.17506637E-05
5	1.09258713E-05	-2.77754768E-05	4.59972661E-05
6	-2.26388399E-05	2.01207043E-05	-2.22884840E-06
7	-2.86969431E-06	1.02277077E-05	-7.98906776E-06
8	2.31627221E-06	3.51659184E-06	-6.47015054E-06
9	2.93335581E-06	3.50390181E-07	-4.20059945E-06
10	2.32468782E-06	-8.93643457E-07	-2.43414627E-06
11	1.55270164E-06	-1.22958774E-06	-1.25610330E-06
12	9.14833832E-07	-1.17603238E-06	-5.25630786E-07
13	4.58800537E-07	-9.80869966E-07	-9.70379011E-08
14	1.59084706E-07	-7.56519562E-07	1.38521492E-07
15	-2.38633217E-08	-5.49930247E-07	2.54626293E-07
16	-1.25480934E-07	-3.77295288E-07	2.98921208E-07
17	-1.73074609E-07	-2.40971442E-07	3.01566035E-07
18	-1.86306393E-07	-1.37609864E-07	2.81360375E-07
19	-1.78798075E-07	-6.19761014E-08	2.49852710E-07
20	-1.59733967E-07	-8.66668847E-09	2.14007422E-07
21	-1.35158771E-07	2.71895828E-08	1.77909965E-07
22	-1.08944941E-07	4.97091732E-08	1.43849626E-07
23	-8.34848717E-08	6.22464327E-08	1.13004889E-07
24	-6.01751465E-08	6.74732766E-08	8.33764197E-08
25	-3.97507691E-08	6.74852560E-08	6.25600001E-08
26	-2.25138087E-08	6.39067830E-08	4.29179318E-08
27	-8.48876629E-09	5.79846074E-08	2.66859812E-08
28	2.47249004E-09	5.06663985E-08	1.35393930E-08
29	1.06203059E-08	4.26647687E-08	3.13293546E-09

L R	9 48	9 49	9 50
EIGENVALUE	-5.50599066E+01	-6.00408499E+01	-6.59878001E+01
COEFFICIENT			
0	-1.24161742E-06	-3.57023801E-06	6.59919283E-06
1	-1.86108344E-06	-4.19722066E-06	9.42121750E-06
2	-3.09004887E-06	-6.21412298E-06	1.75515901E-05
3	-6.72160967E-06	-1.53839438E-05	7.95889056E-05
4	-4.74654539E-05	8.61573375E-05	-9.06611920E-05
5	4.34643850E-05	-8.34482718E-06	-2.91977252E-05
6	1.76100891E-05	-1.48855657E-05	-6.84393841E-06
7	5.04787020E-06	-1.10050742E-05	6.61100919E-07
8	4.25298816E-08	-6.98870849E-06	2.83248948E-06
9	-1.65956761E-06	-4.16457839E-06	3.12099659E-06
10	-2.01150346E-06	-2.36196936E-06	2.79483230E-06
11	-1.85421245E-06	-1.25385661E-06	2.32078942E-06
12	-1.54056989E-06	-5.87046499E-07	1.86354386E-06
13	-1.21266232E-06	-1.93849798E-07	1.47275595E-06
14	-9.22161747E-07	3.13966026E-08	1.15526236E-06
15	-6.82719647E-07	1.54149425E-07	9.03324582E-07
16	-4.92843267E-07	2.14772595E-07	7.05572230E-07
17	-3.45811371E-07	2.38158207E-07	5.51019829E-07
18	-2.33848970E-07	2.39673425E-07	4.30317391E-07
19	-1.49757865E-07	2.28804710E-07	3.35931966E-07
20	-8.74360145E-08	2.11391810E-07	2.61954396E-07
21	-4.19314988E-08	1.91003311E-07	2.03809797E-07
22	-9.32047959E-09	1.69788745E-07	1.57976884E-07
23	1.34641499E-08	1.49009809E-07	1.21749684E-07
24	2.88010365E-08	1.29373507E-07	9.30468086E-08
25	3.85266945E-08	1.11242091E-07	7.02632501E-08
26	4.40556469E-08	9.47658219E-08	5.21570022E-08
27	4.64760625E-08	7.99670659E-08	3.77629933E-08
28	4.66245519E-08	6.67935039E-08	2.63279605E-08
29	4.51440656E-08	5.51516659E-08	1.72611894E-08



L R	9 51	9 52	9 53
EIGENVALUE	-7.39757941E+01	-7.83860311E+01	-9.67086032E+01
COEFFICIENT			
K			
0	-4.59881249E-06	1.59085498E-05	-1.77413635E-05
1	-5.21574572E-06	2.22816733E-05	-3.88412466E-05
2	-9.23519810E-06	5.32646784E-05	-4.38190969E-04
3	1.36999541E-04	-1.90561257E-04	1.71094525E-04
4	-2.65465426E-05	-6.13959542E-06	9.95984098E-05
5	-2.58699061E-05	1.63117283E-05	5.13946161E-05
6	-1.65201415E-05	1.54192339E-05	2.76261724E-05
7	-9.84826409E-06	1.15111565E-05	1.52849969E-05
8	-5.78966577E-06	8.14089293E-06	8.78970572E-06
9	-3.39497121E-06	5.70447400E-06	5.23580866E-06
10	-1.98200521E-06	4.02228689E-06	3.21845800E-06
11	-1.14134981E-06	2.87106078E-06	2.03451063E-06
12	-6.36574244E-07	2.07924079E-06	1.31860899E-06
13	-3.31394671E-07	1.52874501E-06	8.73987936E-07
14	-1.46436878E-07	1.14098480E-06	5.91131410E-07
15	-3.48031445E-08	8.64030823E-07	4.07235760E-07
16	3.16382811E-08	6.63436053E-07	2.85297919E-07
17	7.00085183E-08	5.16145703E-07	2.02975087E-07
18	9.08655325E-08	4.06555769E-07	1.46472288E-07
19	1.00795047E-07	3.23975948E-07	1.07096983E-07
20	1.03944252E-07	2.60990850E-07	7.92685851E-08
21	1.02943873E-07	2.12393092E-07	5.93422522E-08
22	9.94706844E-08	1.74481719E-07	4.48993162E-08
23	9.45953421E-08	1.44595766E-07	3.43109552E-08
24	8.90001609E-08	1.20800594E-07	2.64651144E-08
25	8.31169911E-08	1.01674563E-07	2.05927735E-08
26	7.72153874E-08	8.61622934E-08	1.61557206E-08
27	7.14594858E-08	7.34726452E-08	1.27730198E-08
28	6.59449660E-08	6.30070203E-08	1.01721846E-08
29	6.07232181E-08	5.43084681E-08	8.15634976E-09

L R	9 54	9 55	9 56
EIGENVALUE	-1.36548059E+02	-2.36025504E+02	-6.36194790E+02
COEFFICIENT			
K			
0	-2.48603665E-04	2.03220298E-03	1.67095390E-02
1	-8.60603088E-04	-2.78393448E-03	1.59461104E-03
2	6.99847603E-04	-5.71899577E-04	3.18857630E-04
3	2.41442348E-04	-1.65773050E-04	8.91069429E-05
4	9.39881498E-05	-5.86030276E-05	3.04275151E-05
5	4.07359264E-05	-2.36804839E-05	1.19043654E-05
6	1.92112811E-05	-1.05483072E-05	5.14518142E-06
7	9.68854487E-06	-5.06372557E-06	2.40120989E-06
8	5.15950569E-06	-2.58028946E-06	1.19158521E-06
9	2.87460438E-06	-1.38079900E-06	6.21953973E-07
10	1.66394139E-06	-7.69910411E-07	3.38716971E-07
11	9.95297006E-07	-4.44633299E-07	1.91290532E-07
12	6.12607974E-07	-2.64721180E-07	1.11489500E-07
13	3.86678457E-07	-1.61875192E-07	6.68002334E-08
14	2.49600994E-07	-1.01357721E-07	4.10158531E-08
15	1.64387325E-07	-6.48224028E-08	2.57403753E-08
16	1.10248260E-07	-4.22539375E-08	1.64743556E-08
17	7.51688238E-08	-2.80222547E-08	1.07329044E-08
18	5.20293192E-08	-1.88783237E-08	7.10627226E-09
19	3.65145910E-08	-1.29023479E-08	4.77503982E-09
20	2.59551428E-08	-8.93538982E-09	3.25233541E-09
21	1.86683419E-08	-6.26402785E-09	2.24302554E-09
22	1.35752215E-08	-4.44116477E-09	1.56489593E-09
23	9.97286648E-09	-3.18195761E-09	1.10353692E-09
24	7.39659101E-09	-2.30215525E-09	7.85987133E-10
25	5.53499113E-09	-1.68088395E-09	5.65043258E-10
26	4.17672215E-09	-1.23780216E-09	4.09755706E-10
27	3.17664005E-09	-9.18853097E-10	2.99577787E-10
28	2.43395400E-09	-6.87247965E-10	2.20709606E-10
29	1.87794057E-09	-5.17680705E-10	1.63781274E-10

L	R	10	10	10
		0	1	2
EIGENVALUE	-3.76495243E+01	-3.77529554E+01	-3.78680910E+01	
COEFFICIENT				
K				
0	0.	1.22688314E-14	-4.78525208E-14	
1	0.0.	0.	-5.51830191E-14	
2	0.0.	0.	-6.10222739E-14	
3	0.0.	0.	-6.51728677E-14	
4	0.0.	0.	-6.80580724E-14	
5	0.0.	0.	-7.10195739E-14	
6	0.0.	0.	-7.66622709E-14	
7	0.0.	-1.06055590E-14	-8.34264548E-14	
8	0.0.	-1.24267063E-14	-1.16860677E-13	
9	1.12853228E-14	-1.37204715E-14	-1.72710029E-13	
10	1.57943546E-14	-1.52054019E-14	-2.34710441E-13	
11	2.45945013E-14	-1.84637983E-14	-5.15498913E-13	
12	4.24672419E-14	-2.71345036E-14	-1.02421819E-12	
13	6.10663866E-14	-5.09083974E-14	-2.27337514E-12	
14	1.72445254E-13	-1.20972608E-13	-5.85631610E-12	
15	4.18695968E-13	-3.63935593E-13	-1.37659829E-11	
16	1.21413366E-12	-1.49443740E-12	-6.64442937E-11	
17	4.56777862E-12	-1.08452644E-11	-8.95209355E-10	
18	2.66796072E-11	-3.56071426E-09	-1.34270662E-08	
19	4.75959735E-10	-1.99235134E-08	-4.30016742E-08	
20	5.44423090E-09	-4.42639929E-08	-5.48296394E-08	
21	2.00376814E-08	-4.57917252E-08	-1.65597195E-08	
22	-3.86953778E-08	-1.15985698E-08	-2.59530181E-08	
23	4.47704038E-08	-2.32909958E-08	-1.65125655E-08	
24	-3.22146521E-08	-2.74836937E-08	-1.60948958E-08	
25	1.41061731E-08	-1.31089230E-08	-2.28931757E-08	
26	-3.39987706E-09	-2.79806711E-09	-1.02324055E-08	
27	3.24516884E-10	-1.50251355E-10	-1.69031164E-09	
28	5.42945109E-12	-8.94008440E-12	-1.10832880E-11	
29	5.75242837E-13	-1.30516563E-12	1.13341581E-12	
	1.02776676E-13			

L	R	10	10	10
		3	4	5
EIGENVALUE	-3.79947388E+01	-3.81326916E+01	-3.82617286E+01	
COEFFICIENT				
K				
0	0.	2.64208879E-13	-4.32894857E-13	
1	2.66044077E-14	2.50666866E-13	-5.41288580E-13	
2	5.95588806E-14	2.25346116E-13	-6.40762544E-13	
3	9.37142857E-14	1.89883493E-13	-7.28223224E-13	
4	1.27443502E-13	1.48879883E-13	-8.06531224E-13	
5	1.60678307E-13	1.09903627E-13	-8.88718983E-13	
6	1.95646566E-13	8.33017026E-14	-1.00332661E-12	
7	2.38738238E-13	6.25545890E-14	-1.20349127E-12	
8	3.03628935E-13	1.26480588E-13	-1.58643518E-12	
9	4.18009720E-13	2.46088252E-13	-2.34036577E-12	
10	6.40140360E-13	5.03295253E-13	-3.86630872E-12	
11	1.10381331E-12	1.04334602E-12	-7.12422144E-12	
12	2.15455519E-12	2.25732890E-12	-1.47456238E-11	
13	4.82516037E-12	5.37175092E-12	-3.52842838E-11	
14	1.28553235E-11	1.51211565E-11	-1.04090438E-10	
15	4.41534914E-11	5.68095143E-11	-4.38052431E-10	
16	2.38154295E-10	-3.87117212E-10	-4.40737608E-09	
17	5.34644323E-09	-1.75338922E-08	-4.00961818E-08	
18	-3.31319025E-08	5.90438762E-08	-7.87637657E-08	
19	6.28643854E-08	-6.25850817E-08	3.50996009E-08	
20	-3.63500613E-08	-2.54016990E-09	3.36241113E-08	
21	-2.14957035E-08	-3.20448707E-08	-9.29158179E-09	
22	2.13312008E-08	9.68840816E-09	-2.44315355E-08	
23	1.69040716E-08	-1.77568136E-08	-7.40062126E-09	
24	-1.37694826E-08	-1.42148394E-08	1.32339331E-08	
25	-1.46609262E-08	9.50114965E-09	1.36289751E-08	
26	1.89786147E-08	-1.49372047E-08	-4.7788382E-09	
27	-7.13074989E-09	-1.52252392E-08	-1.51444301E-08	
28	7.71201859E-10	4.41411731E-09	1.15216322E-08	
29	3.18195750E-11	-2.20022204E-10	-2.35770279E-09	

RL	10	10	10
	6	7	8
EIGENVALUE	-3.84416175E+01	-3.86121157E+01	-3.87929721E+01
COEFFICIENT			
0	-2.36797705E-13	1.79942777E-12	2.39796556E-12
1	0.	1.75357535E-12	2.98525449E-12
2	2.53993821E-13	1.63701928E-12	3.53030823E-12
3	5.28669024E-13	1.45965516E-12	4.02250450E-12
4	8.08077456E-13	1.25090533E-12	4.48463297E-12
5	1.08765016E-12	1.06196141E-12	4.99710607E-12
6	1.37897609E-12	9.68080353E-13	5.73150252E-12
7	1.72388320E-12	1.07728759E-12	7.01218869E-12
8	2.21983869E-12	1.55820761E-12	9.45416911E-12
9	3.07617515E-12	2.71791475E-12	1.43076498E-11
10	4.75839720E-12	5.21805087E-12	2.44031045E-11
11	8.40691755E-12	1.07237337E-11	4.70657706E-11
12	1.72354228E-11	2.41537823E-11	1.04716557E-10
13	4.21872987E-11	6.33652155E-11	2.84077279E-10
14	1.32466899E-10	2.17674947E-10	1.07830375E-09
15	6.50668411E-10	1.33856159E-09	9.49919531E-09
16	1.60706321E-09	-3.88214503E-08	-7.13834759E-08
17	-6.95798097E-08	9.47544152E-08	1.01081250E-07
18	7.73555718E-08	-4.87745816E-08	-2.96419100E-09
19	7.24249568E-09	-3.95620444E-08	-4.28265650E-08
20	-3.43403496E-08	7.64712476E-09	-2.22607697E-06
21	-1.97699650E-08	2.65824715E-08	7.92246694E-09
22	8.72977049E-09	1.49608577E-08	2.03342100E-08
23	1.92112482E-08	-5.22723007E-09	3.34837550E-08
24	8.22189931E-09	-1.51439281E-08	-1.18620240E-09
25	-8.56167103E-09	-9.57405120E-09	-1.12342225E-08
26	-1.30964548E-08	3.89887042E-09	-1.02879707E-08
27	8.64411885E-11	1.17149088E-08	-4.09367346E-10
28	1.45401857E-08	4.06144491E-09	9.26951751E-09
29	-8.06190318E-09	-1.29849269E-08	7.19201978E-09

RL	10	10	10
	9	10	11
EIGENVALUE	-3.89839288E+01	-3.91847221E+01	-3.93950848E+01
COEFFICIENT			
0	-6.13164831E-13	-6.93999403E-12	1.08498103E-11
1	5.15036601E-13	-6.40593260E-12	1.24666354E-11
2	1.74955680E-12	-5.59951553E-12	1.38566670E-11
3	3.04834674E-12	-4.57384741E-12	1.50328403E-11
4	4.37737639E-12	-3.44911602E-12	1.61484079E-11
5	5.74596596E-12	-2.41245484E-12	1.75805021E-11
6	7.25797868E-12	-1.71757068E-12	2.00579831E-11
7	9.19558379E-12	-1.70646972E-12	2.49245722E-11
8	1.21874851E-11	-2.89731086E-12	3.47732442E-11
9	1.76127908E-11	-6.25057118E-12	5.51321835E-11
10	2.87164131E-11	-1.39634122E-11	9.94556710E-11
11	5.41604388E-11	-3.21089131E-11	2.06340422E-10
12	1.21638402E-10	-8.13344817E-11	5.14200120E-10
13	3.46816865E-10	-2.56759013E-10	1.73394217E-09
14	1.50578904E-09	-1.35684441E-09	1.20958118E-08
15	2.83419671E-08	5.98017588E-08	1.00101948E-07
16	-1.05321016E-07	-1.26941877E-07	-1.23560990E-07
17	7.96300203E-08	3.43015385E-08	1.83059534E-08
18	3.83657599E-08	5.49246103E-08	-4.03781599E-08
19	-1.78578257E-08	1.62530439E-08	-3.66722360E-08
20	-3.18024755E-08	-1.61923636E-08	-1.00338516E-08
21	-1.60803895E-08	-2.40642161E-08	-1.15021788E-08
22	4.68383406E-09	-1.40428515E-08	1.84311067E-08
23	1.52597203E-08	8.36006448E-10	1.31421142E-08
24	1.27404648E-08	1.06640617E-08	-2.64245008E-09
25	2.51292251E-09	1.16143702E-08	-6.32443344E-09
26	-7.18202967E-09	5.34483065E-09	-9.73534817E-09
27	-9.86037854E-09	-3.16393859E-09	-6.97861475E-09
28	-3.89355618E-09	-8.24357254E-09	-4.18856437E-10
29	6.00212553E-09	-6.15377836E-09	5.72765575E-09

L R	EIGENVALUE	10	10	10
		12	13	14
		-3.96147467E+01	-3.98434364E+01	-4.00808821E+01
	COEFFICIENT			
K				
0		4.39762540E-12	-1.42671494E-11	-3.45764456E-11
1		8.39852744E-12	-1.03792675E-11	-3.52688724E-11
2		1.25639102E-11	-5.78484571E-12	-3.50558477E-11
3		1.68162800E-11	-6.58023634E-13	-3.41444859E-11
4		2.11908731E-11	4.74694432E-12	-3.31163616E-11
5		2.59651223E-11	1.01867189E-11	-3.30691051E-11
6		3.19917652E-11	1.55680334E-11	-3.58662614E-11
7		4.09399536E-11	2.11584124E-11	-4.47489270E-11
8		5.65003363E-11	2.79802996E-11	-6.59729454E-11
9		8.69324762E-11	3.87707617E-11	-1.13530799E-10
10		1.53097727E-10	6.09036991E-11	-2.24604419E-10
11		3.17364972E-10	1.17449750E-10	-5.21614120E-10
12		8.18814373E-10	3.03623840E-10	-1.56161478E-09
13		3.06631979E-09	1.28686285E-09	-8.29483434E-09
14		3.52385747E-08	7.23681016E-08	-1.19655253E-07
15		-1.39001350E-07	-1.62713633E-07	-1.59538434E-07
16		9.07505364E-08	3.60597948E-08	-2.32962090E-08
17		5.69216665E-08	6.65793395E-08	4.59207797E-08
18		-5.55727177E-09	2.89953943E-08	4.52723970E-08
19		-3.20923921E-08	-8.14647052E-09	1.87292243E-08
20		-2.69166174E-08	-2.39843330E-08	-5.49970183E-09
21		-9.10922372E-09	-2.12709725E-08	-1.7308801E-08
22		6.61974360E-09	-9.65422782E-09	-1.72646552E-08
23		1.37239774E-08	2.24329022E-09	-1.01977489E-08
24		1.21219932E-08	9.42521054E-09	-1.34541342E-09
25		5.27643154E-09	1.05293808E-08	5.46079194E-09
26		-2.36926674E-09	6.81617150E-09	8.33860367E-09
27		-7.17277715E-09	9.25876413E-10	7.20560312E-09
28		-7.30844146E-09	-4.25012856E-09	3.30455477E-09
29		-3.15667621E-09	-6.46729608E-09	-1.38974237E-09

L R	EIGENVALUE	10	10	10
		15	16	17
		-4.03268129E+01	-4.05809596E+01	-4.08430559E+01
	COEFFICIENT			
K				
0		-3.69006880E-11	6.20788470E-12	5.26008055E-11
1		-4.53520315E-11	2.05331076E-11	4.05299738E-11
2		-5.34678712E-11	3.57725493E-11	2.63483984E-11
3		-6.13608237E-11	5.17905883E-11	1.05541787E-11
4		-6.97038468E-11	6.88375452E-11	-6.09717522E-12
5		-8.01759106E-11	8.81182205E-11	-2.28428102E-11
6		-9.62341693E-11	1.12776069E-10	-3.93058237E-11
7		-1.24794337E-10	1.49939315E-10	-5.61199324E-11
8		-1.80486810E-10	2.15808637E-10	-7.62070643E-11
9		-2.97926391E-10	3.50525549E-10	-1.08299089E-10
10		-5.73187294E-10	6.70417976E-10	-1.79639052E-10
11		-1.34094732E-09	1.60718773E-09	-3.98792148E-10
12		-4.29630235E-09	5.65089799E-09	-1.49973528E-09
13		-3.05759534E-08	6.82702932E-08	-1.19697534E-07
14		1.67446428E-07	-2.02601827E-07	2.12846345E-07
15		-1.25443182E-07	6.66983179E-08	1.80026419E-09
16		-6.76619173E-08	8.32540652E-08	-6.74762693E-08
17		7.00232737E-09	3.14832554E-08	-5.32612609E-08
18		3.69500197E-08	-1.08698886E-08	-1.84527084E-08
19		3.27698049E-08	-2.76672158E-08	8.28048551E-09
20		1.50786400E-08	-2.51286169E-08	2.00952341E-08
21		-1.86778442E-09	-1.36888946E-08	1.97913103E-08
22		-1.17413260E-08	-1.47960002E-09	1.28245459E-08
23		-1.37872286E-08	7.02647533E-09	4.10458096E-09
24		-1.01663636E-08	1.04431275E-08	-3.09339305E-09
25		-3.97454371E-09	9.40436476E-09	-7.19638648E-09
26		1.97387441E-09	5.56476772E-09	-7.98719529E-09
27		5.76122871E-09	8.37959410E-10	-6.14747598E-09
28		6.57106562E-09	-3.11387705E-09	-2.82638898E-09
29		4.63397291E-09	-5.18041711E-09	7.15250700E-10

L	10	10	10
R	18	19	20
EIGENVALUE	-4.11128384E+01	-4.13900480E+01	-4.16744299E+01
COEFFICIENT			
K			
0	1.09765954E-10	1.22586396E-10	5.96405966E-11
1	1.11028960E-10	1.44493550E-10	9.92437126E-11
2	1.10033015E-10	1.65606271E-10	1.40725529E-10
3	1.07624245E-10	1.86885427E-10	1.84673564E-10
4	1.05831471E-10	2.11194570E-10	2.33491055E-10
5	1.08425681E-10	2.44847877E-10	2.93484916E-10
6	1.22053301E-10	3.00646142E-10	3.78950355E-10
7	1.59142482E-10	4.05173916E-10	5.21825859E-10
8	2.46124995E-10	6.19103748E-10	7.98738407E-10
9	4.49697331E-10	1.10344750E-09	1.42201330E-09
10	9.78923219E-10	2.39089569E-09	3.13501569E-09
11	2.73802615E-09	7.01234823E-09	9.87999387E-09
12	1.32877254E-08	4.31362124E-08	6.97979996E-08
13	-1.77894081E-07	-2.31668131E-07	-2.68381085E-07
14	1.91332986E-07	1.39494610E-07	6.70525968E-08
15	6.17232073E-08	9.76618779E-08	1.02037057E-07
16	-2.90979807E-08	1.61427187E-08	5.20302315E-08
17	-5.11099439E-08	-2.84880257E-08	3.56611318E-09
18	-3.70366197E-08	-3.77546849E-08	-2.22535661E-08
19	-1.39492190E-08	-2.79180890E-08	-2.80693225E-08
20	4.45008397E-09	-1.24700993E-08	-2.21559270E-08
21	1.39860462E-08	8.56367144E-10	-1.18823952E-08
22	1.55092168E-08	8.98974462E-09	-2.05815561E-09
23	1.18044657E-08	1.17539895E-08	4.91155950E-09
24	5.85512789E-09	1.04175442E-08	8.36024254E-09
25	3.17211200E-11	6.72180531E-09	8.68131942E-09
26	-4.17301241E-09	2.31288586E-09	6.79134121E-09
27	-6.11945532E-09	-1.54252938E-09	3.75584176E-09
28	-5.862229132E-09	-4.05956026E-09	5.52889932E-10
29	-3.94425704E-09	-4.92951096E-09	-2.06020848E-09

L	10	10	10
R	21	22	23
EIGENVALUE	-4.19657346E+01	-4.22637177E+01	-4.25681409E+01
COEFFICIENT			
K			
0	-7.59228834E-11	-2.38040219E-10	-3.50956677E-10
1	-3.39231948E-11	-2.16827176E-10	-3.71775974E-10
2	1.24866503E-11	-1.90466972E-10	-3.89521924E-10
3	6.28670105E-11	-1.60993191E-10	-4.07931523E-10
4	1.17297835E-10	-1.32328803E-10	-4.35428165E-10
5	1.77890089E-10	-1.10776634E-10	-4.88658126E-10
6	2.51659617E-10	-1.06371860E-10	-6.00411735E-10
7	3.57019942E-10	-1.37179270E-10	-8.40963024E-10
8	5.41861779E-10	-2.43265335E-10	-1.38482603E-09
9	9.46220311E-10	-5.38994392E-10	-2.76756458E-09
10	2.09261821E-09	-1.47522707E-09	-7.27892671E-09
11	7.14003588E-09	-6.25228689E-09	-3.48336762E-08
12	1.50900612E-07	2.19623784E-07	2.85712469E-07
13	-2.77510982E-07	-2.53764868E-07	-1.98728012E-07
14	-1.07303460E-08	-7.74299564E-08	-1.19899035E-07
15	7.68829060E-08	3.22845348E-08	-1.74973716E-08
16	6.75648075E-08	5.98772193E-08	3.38728486E-08
17	3.19743083E-08	4.68451560E-08	4.44594649E-08
18	1.33046128E-09	2.28513828E-08	3.44481589E-08
19	-1.58540471E-08	2.23953526E-09	1.83278749E-08
20	-2.08612484E-08	-1.03744394E-08	3.85718851E-09
21	-1.79500781E-08	-1.52388991E-08	-5.92895678E-09
22	-1.13430052E-08	-1.44813689E-08	-1.06999469E-08
23	-4.17394906E-09	-1.05463301E-08	-1.14086115E-08
24	1.66607117E-09	-5.49754578E-09	-9.43082564E-09
25	5.33053892E-09	-7.89985745E-10	-6.10183680E-09
26	6.72321125E-09	2.72740177E-09	-2.50184877E-09
27	6.21739292E-09	4.71078862E-09	6.13834748E-10
28	4.42688142E-09	5.19125895E-09	8.0720046E-09
29	2.03480482E-09	4.44804811E-09	3.91276763E-09

L R	10 24	10 25	10 26
EIGENVALUE	-4.28787716E+01	-4.31953836E+01	-4.35177570E+01
COEFFICIENT			
K			
0	-3.39659217E-10	-1.64591682E-10	-1.54419678E-10
1	-4.10730096E-10	-2.73773986E-10	-3.95438359E-11
2	-4.83276118E-10	-3.89684208E-10	8.54542630E-11
3	-5.62044225E-10	-5.16455417E-10	2.21738138E-10
4	-6.58434455E-10	-6.64687408E-10	3.73897107E-10
5	-7.96983564E-10	-8.59155602E-10	5.55139133E-10
6	-1.02979182E-09	-1.15600758E-09	8.00307702E-10
7	-1.47515725E-09	-1.68905785E-09	1.19909534E-09
8	-2.44074888E-09	-2.82115882E-09	2.00800494E-09
9	-4.91953600E-09	-5.78541796E-09	4.15084369E-09
10	-1.35374832E-08	-1.69147121E-08	1.29404029E-08
11	-8.11406977E-08	-1.44543323E-07	2.20770289E-07
12	-3.37563914E-07	-3.64785699E-07	-3.60514299E-07
13	-1.20606449E-07	-3.22668565E-08	-5.17423852E-08
14	-1.31390158E-07	-1.12623786E-07	7.08118007E-08
15	-5.85801378E-08	-8.11695759E-08	8.15022864E-08
16	-5.88940942E-10	-3.25173094E-08	5.31871790E-08
17	-2.74502373E-08	2.79196503E-09	2.11866941E-08
18	-3.30225514E-08	2.04403900E-08	-1.97268108E-09
19	2.64943885E-08	2.46211580E-08	-1.44113816E-08
20	1.57049999E-08	2.09025586E-08	-1.82728867E-08
21	5.32662162E-09	1.38154183E-08	-1.66173198E-08
22	-2.43815792E-09	6.36084490E-09	-1.21615649E-08
23	-6.98796087E-09	2.01356679E-10	-6.89777613E-09
24	-8.62093049E-09	-3.97550718E-09	-2.09003587E-09
25	-8.05023654E-09	-6.11182346E-09	1.59223508E-09
26	-6.10094213E-09	-6.50841681E-09	3.91270750E-09
27	-3.53727407E-09	-5.63245092E-09	4.92212712E-09
28	-9.76368068E-10	-3.99023778E-09	4.84143452E-09
29	1.14392467E-09	-2.04892736E-09	3.97461514E-09

L R	10 27	10 28	10 29
EIGENVALUE	-4.38456785E+01	-4.41789414E+01	-4.45173454E+01
COEFFICIENT			
K			
0	5.35491588E-10	-8.55112109E-10	-9.84892602E-10
1	4.59385907E-10	-8.60316249E-10	-1.09685184E-09
2	3.738742226E-10	-8.61793709E-10	-1.21457024E-09
3	2.82993050E-10	-8.70256127E-10	-1.35502890E-09
4	1.93847558E-10	-9.07672812E-10	-1.55432271E-09
5	1.16892977E-10	-1.01683648E-09	-1.88761106E-09
6	6.76417683E-11	-1.28577867E-09	-2.51969306E-09
7	7.38030051E-11	-1.92209854E-09	-3.85992981E-09
8	2.03201600E-10	-3.52825043E-09	-7.15562250E-09
9	6.99986661E-10	-8.51135293E-09	-1.77597062E-08
10	3.15391187E-09	-3.53822571E-08	-8.59921168E-08
11	-3.02279809E-07	-3.79388370E-07	4.41880200E-07
12	3.22910025E-07	-2.55523234E-07	-1.66546076E-07
13	1.18314535E-07	-1.58277179E-07	-1.67770534E-07
14	-1.72304466E-08	-3.57877110E-08	-7.76072063E-08
15	-6.18356295E-08	2.89036248E-08	-8.42548200E-09
16	-5.81867056E-08	4.78431708E-08	2.62989613E-08
17	-3.75628394E-08	4.25593474E-08	3.60103232E-08
18	-1.60350433E-08	2.83058250E-08	3.19703852E-08
19	7.96558378E-11	1.34855273E-08	2.23478096E-08
20	9.54151414E-09	1.81003465E-09	1.19987904E-08
21	1.33288690E-08	-5.70701927E-09	3.34106096E-09
22	1.31161692E-08	-9.39998459E-09	-2.74733372E-09
23	1.05521251E-08	-1.01478603E-08	-6.25547360E-09
24	6.97192696E-09	-8.93915140E-09	-7.59668477E-09
25	3.32718058E-09	-6.66074686E-09	-7.33984719E-09
26	-2.14665237E-10	-4.01415541E-09	-6.05845333E-09
27	-2.05784877E-09	-1.49953543E-09	-4.25414927E-09
28	-3.39882305E-09	5.67281613E-10	-2.32502639E-09
29	-3.86648072E-09	2.02419578E-09	-5.59418106E-10

L	10	10	10
R	30	31	32
EIGENVALUE	-4.48606970E+01	-4.52088093E+01	-4.55615022E+01
COEFFICIENT			
K			
0	8.32476528E-10	3.73727267E-10	-3.33209667E-10
1	1.04813410E-09	6.57607087E-10	-4.40078004E-11
2	1.27981301E-09	9.64498801E-10	2.68156187E-10
3	1.54794232E-09	1.31307804E-09	6.13406224E-10
4	1.89674301E-09	1.74456993E-09	1.01542887E-09
5	2.42219096E-09	2.35238809E-09	1.53309005E-09
6	3.34353995E-09	3.35873593E-09	2.31629847E-09
7	5.22647915E-09	5.35867482E-09	3.78692483E-09
8	9.87263354E-09	1.03359514E-08	7.42624160E-09
9	2.56322162E-08	2.83053635E-08	2.14746525E-08
10	1.54733108E-07	2.38567958E-07	3.31878012E-07
11	-4.80727126E-07	-4.89561069E-07	-4.65635748E-07
12	6.72249258E-08	-3.01457616E-08	-1.14207897E-07
13	1.48382921E-07	1.06222671E-07	5.02996756E-08
14	1.01201851E-07	1.03973832E-07	8.75359328E-08
15	4.15299934E-08	6.38792414E-08	7.20460646E-08
16	1.89303801E-10	2.51059155E-08	4.31957614E-08
17	-2.07443160E-08	-1.32661313E-09	1.73525207E-08
18	-2.69155002E-08	-1.53018452E-08	-5.98001493E-10
19	-2.44898476E-08	-2.00109921E-08	-1.07043565E-08
20	-1.81491586E-08	-1.89509257E-08	-1.47223929E-08
21	-1.09021404E-08	-1.49331834E-08	-1.46771415E-08
22	-4.42598558E-09	-9.90838509E-09	-1.23061732E-08
23	5.20353755E-10	-5.08064562E-09	-8.90810956E-09
24	3.75245733E-09	-1.09369678E-09	-5.36074410E-09
25	5.41135098E-09	1.79366595E-09	-2.19790141E-09
26	5.79662008E-09	3.56751421E-09	3.03928281E-10
27	5.26120699E-09	4.35599566E-09	2.04846723E-09
28	4.14917235E-09	4.35799826E-09	3.05772510E-09
29	2.76196117E-09	3.79590574E-09	3.42516318E-09

L	10	10	10
R	33	34	35
EIGENVALUE	-4.59186019E+01	-4.62799410E+01	-4.66453578E+01
COEFFICIENT			
K			
0	-1.15550200E-09	1.91229528E-09	2.41323265E-09
1	-9.38513311E-10	1.84224377E-09	2.54408843E-09
2	-7.07821708E-10	1.77659355E-09	2.70312636E-09
3	-4.68800248E-10	1.74146578E-09	2.93894731E-09
4	-2.30190369E-10	1.78939418E-09	3.35187388E-09
5	-1.81611648E-12	2.02661836E-09	4.15690371E-09
6	2.08720910E-10	2.69319727E-09	5.86812744E-09
7	4.01819424E-10	4.45159867E-09	9.97660767E-09
8	6.05827285E-10	9.80066393E-09	2.24629951E-08
9	1.03115954E-09	3.62451800E-08	9.21004047E-08
10	4.27108261E-07	-5.15716358E-07	-5.89247266E-07
11	-4.10151046E-07	3.27951861E-07	2.26722904E-07
12	-1.76143599E-07	2.10678241E-07	2.16413327E-07
13	-9.34569881E-09	6.33824156E-08	1.04499126E-07
14	5.67251602E-08	-1.82099982E-08	2.09559301E-08
15	6.58616872E-08	-4.78840287E-08	-2.24503414E-08
16	5.13769841E-08	-4.89928945E-08	-3.75125247E-08
17	3.12570915E-08	-3.79337668E-08	-3.67396303E-08
18	1.34946209E-08	-2.39331551E-08	-2.88787370E-08
19	7.09034413E-10	-1.14026514E-08	-1.91076076E-08
20	-7.02061513E-09	-1.97697474E-09	-1.01023988E-08
21	-1.06233867E-08	4.14653602E-09	-2.99565493E-09
22	-1.12770250E-08	7.42078218E-09	1.94983495E-09
23	-1.00693394E-08	8.51996764E-09	4.91380947E-09
24	-7.87502629E-09	8.12364181E-09	6.26512430E-09
25	-5.33558992E-09	6.32050499E-09	6.42033987E-09
26	-2.88359815E-09	5.07619085E-09	5.77072317E-09
27	-7.81901868E-10	3.23306288E-09	4.64931441E-09
28	8.35948779E-10	1.52436332E-09	3.32044586E-09
29	1.92984126E-09	9.33432543E-11	1.98112364E-09

L	R	10	10	10
		36	37	38
EIGENVALUE		-4.70146943E+01	-4.73877987E+01	-4.77645891E+01
Coefficient				
K				
0		2.49940858E-09	2.07766084E-09	1.14176777E-09
1		2.85001022E-09	2.62388689E-09	1.81639728E-09
2		3.25275271E-09	3.23965181E-09	2.56485114E-09
3		3.77555601E-09	4.00358240E-09	3.46283577E-09
4		4.56023408E-09	5.08111964E-09	4.67076599E-09
5		5.92011748E-09	6.84669988E-09	6.56059381E-09
6		8.63021376E-09	1.02536294E-08	1.01071456E-08
7		1.50261974E-08	1.82825500E-08	1.84758653E-08
8		3.50681164E-08	4.45008531E-08	4.71347999E-08
9		1.66420948E-07	2.57068829E-07	3.59769195E-07
10		-6.40344170E-07	-6.63498365E-07	-6.55239096E-07
11		1.15867486E-07	5.29055738E-09	-9.56473293E-08
12		1.95547219E-07	1.53127870E-07	9.60295160E-08
13		1.28179356E-07	1.32887154E-07	1.19742823E-07
14		5.45586083E-08	7.80553962E-08	8.89293689E-08
15		5.40245457E-09	3.09118720E-08	5.02827374E-08
16		-1.98772870E-08	2.88217370E-10	1.94025684E-08
17		-2.86462264E-08	-1.57670835E-08	-7.78814376E-10
18		-2.78617948E-08	-2.16277582E-08	-1.17772916E-08
19		-2.25027905E-08	-2.13140817E-08	-1.61735883E-08
20		-1.56829287E-08	-1.78068608E-08	-1.63631808E-08
21		-9.14236700E-09	-1.30778977E-08	-1.41981367E-08
22		-3.71681910E-09	-8.31484370E-09	-1.09734717E-08
23		3.09037654E-10	-4.15576379E-09	-7.52549253E-09
24		2.96098514E-09	-8.79088858E-10	-4.34895989E-09
25		4.42125947E-09	1.45791658E-09	-1.69998746E-09
26		4.93474937E-09	2.92411916E-09	3.23618801E-10
27		4.75482797E-09	3.65208062E-09	1.72348794E-09
28		4.11429629E-09	3.79364406E-09	2.55931455E-09
29		3.21171393E-09	3.52116231E-09	2.92074234E-09

L	R	10	10	10
		39	40	41
EIGENVALUE		-4.81459497E+01	-4.85956615E+01	-4.95452401E+01
Coefficient				
K				
0		-2.20888503E-10	-2.73024023E-09	1.00004090E-08
1		4.77849971E-10	-1.98353418E-09	1.02762300E-08
2		1.23657536E-09	-1.21151852E-09	1.07790960E-08
3		2.11080335E-09	-4.01505519E-10	1.17626073E-08
4		3.21920423E-09	4.75260408E-10	1.37704908E-08
5		4.84624371E-09	1.50553753E-09	1.80818185E-08
6		7.76412540E-09	2.96171663E-09	2.82924589E-08
7		1.45871035E-08	5.85201232E-09	5.82108118E-08
8		3.91353534E-08	1.61386995E-08	2.12194075E-07
9		4.67259760E-07	7.68256014E-07	-1.46793948E-06
10		-6.12928473E-07	-6.86371951E-07	4.91915319E-07
11		-1.78538268E-07	-3.18770994E-07	4.97242408E-07
12		3.18686767E-08	-5.30063288E-08	2.67990464E-07
13		9.17311254E-08	6.18872711E-08	8.88920783E-08
14		8.64886060E-08	9.02915479E-08	-1.21754104E-08
15		6.09411631E-08	8.01408564E-08	-5.63988104E-08
16		3.44050542E-08	5.74885228E-08	-6.70707587E-08
17		1.35910879E-08	3.44837117E-08	-6.07426322E-08
18		-3.35872612E-10	1.58208555E-08	-4.75217983E-08
19		-8.32449504E-09	2.57841290E-09	-3.29886219E-08
20		-1.18913116E-08	-5.72819163E-09	-1.98953795E-08
21		-1.24886669E-08	-1.01209197E-08	-9.35069055E-09
22		-1.12925781E-08	-1.16829821E-08	-1.56956481E-09
23		-9.17130391E-09	-1.13629658E-08	3.67735759E-09
24		-6.72284092E-09	-9.91511937E-09	6.80643451E-09
25		-4.33143814E-09	-7.90125636E-09	8.28055998E-09
26		-2.22252353E-09	-5.71697347E-09	8.53764179E-09
27		-5.08874298E-10	-3.62433570E-09	7.95850225E-09
28		7.73288139E-10	-1.78310750E-09	6.85650837E-09
29		1.63730224E-09	-2.77532622E-10	5.47855139E-09



L	10	10	10
R	42	43	44
EIGENVALUE	-5.10774573E+01	-5.31475300E+01	-5.57937384E+01
COEFFICIENT			
K			
0	-7.92426645E-09	2.55098318E-08	-2.42605844E-08
1	-1.11281708E-08	2.46813662E-08	-3.35991555E-08
2	-1.48736687E-08	2.46575125E-08	-4.52707648E-08
3	-1.97717128E-08	2.61133214E-08	-6.21090431E-08
4	-2.71611229E-08	3.06476132E-08	-9.10172122E-08
5	-4.04401129E-08	4.26072741E-08	-1.53268936E-07
6	-7.02991433E-08	7.76980024E-08	-3.47248644E-07
7	-1.66850342E-07	2.40552502E-07	-2.23086046E-06
8	-1.10008905E-06	-2.64125405E-06	3.18627126E-06
9	1.88748018E-06	1.01416838E-06	8.67590703E-07
10	3.59992817E-07	8.87771860E-07	-6.68691030E-08
11	-1.82674387E-07	4.59995582E-07	-3.29333930E-07
12	-2.85139034E-07	1.58218928E-07	-3.34444989E-07
13	-2.36997363E-07	-5.44648093E-09	-2.60800794E-07
14	-1.56489793E-07	-7.74679279E-08	-1.77570409E-07
15	-8.51025930E-08	-9.78482889E-08	-1.07767398E-07
16	-3.32731924E-08	-9.24762190E-08	-5.61294126E-08
17	-1.25097297E-10	-7.63271429E-08	-2.08789225E-08
18	1.84835926E-08	-5.74124162E-08	1.51337420E-09
19	2.69157929E-08	-3.96502014E-08	1.45361372E-08
20	2.87779653E-08	-2.46784195E-08	2.10731279E-08
21	2.67505989E-08	-1.29295510E-08	2.33208865E-08
22	2.26996483E-08	-4.24347718E-09	2.28743355E-08
23	1.78571189E-08	1.79461296E-09	2.08529822E-08
24	1.29926004E-08	5.67516373E-09	1.60201561E-08
25	8.55251814E-09	7.87488346E-09	1.48809122E-08
26	4.76511774E-09	8.81681348E-09	1.1752707E-08
27	1.71628613E-09	8.85679264E-09	8.84393366E-09
28	-5.97256712E-10	8.28332929E-09	6.24859390E-09
29	-2.23148394E-09	7.32368928E-09	4.02063070E-09

L	10	10	10
R	45	46	47
EIGENVALUE	-5.91069542E+01	-6.32210673E+01	-6.82853041E+01
COEFFICIENT			
K			
0	-8.69914898E-08	3.34798546E-08	-2.97604512E-07
1	-8.93499522E-08	6.06401833E-08	-3.28226551E-07
2	-9.72347251E-08	9.53861665E-08	-3.94738952E-07
3	-1.15811594E-07	1.49672255E-07	-5.43487721E-07
4	-1.59486036E-07	2.59696598E-07	-9.51999029E-07
5	-2.81429086E-07	6.00163432E-07	-3.05598577E-06
6	-8.59881078E-07	5.33117656E-06	9.55334959E-06
7	5.07775158E-06	-4.73096304E-06	3.61635487E-07
8	-8.73012309E-07	-2.08761672E-06	-1.22304763E-06
9	-1.25146998E-06	-5.97838090E-07	-1.18781616E-06
10	-8.53040719E-07	3.46321150E-08	-8.60148118E-07
11	-4.65766539E-07	2.51196818E-07	-5.56932466E-07
12	-2.05338535E-07	2.88200074E-07	-3.34938608E-07
13	-5.29831157E-08	2.56465878E-07	-1.86165584E-07
14	2.70225009E-08	2.04895206E-07	-9.12111956E-08
15	6.31250033E-08	1.53593432E-07	-3.28780551E-08
16	7.42869021E-08	1.09716387E-07	1.47773552E-09
17	7.22363078E-08	7.48375542E-08	2.05129795E-08
18	6.39053557E-08	4.83124299E-08	2.99574044E-08
19	5.32330503E-08	2.87769373E-08	3.35331732E-08
20	4.23527628E-08	1.47832057E-08	3.36284275E-08
21	3.23357901E-08	5.04208081E-09	3.17590622E-08
22	2.36445136E-08	-1.50848406E-09	2.88757642E-08
23	1.64037065E-08	-5.70751349E-09	2.55651208E-08
24	1.05604976E-08	-8.20123679E-09	2.21803661E-08
25	5.97706780E-09	-9.47910713E-09	1.89260684E-08
26	2.48310692E-09	-9.90736258E-09	1.59128700E-08
27	-9.55718921E-11	-9.75738317E-09	1.31928085E-08
28	-1.92237571E-09	-9.22848531E-09	1.07820529E-08
29	-3.14330817E-09	-8.46572889E-09	8.67548116E-09

IL R	10 48	10 49	10 50
EIGENVALUE	-7.44707223E+01	-8.21118159E+01	-8.89427708E+01
COEFFICIENT			
K			
0	-1.69981574E-08	9.30813057E-07	3.83885002E-07
1	5.04236926E-08	1.08639884E-06	5.84481760E-07
2	1.35800771E-07	1.45156218E-06	9.59473278E-07
3	2.85275255E-07	2.46724254E+06	2.04490730E-06
4	7.23914069E-07	8.03017386E-06	1.68158067E-05
5	1.20376835E-05	-1.72391224E-05	-1.05156731E-05
6	-6.46005273E-06	-2.68410229E-06	-5.37203952E-06
7	-3.86872993E-06	6.99328721E-07	-2.30825754E-06
8	-1.78241946E-06	1.26962237E-06	-8.66666748E-07
9	-6.76734899E-07	1.13100723E-06	-2.24139958E-07
10	-1.49354277E-07	8.64377346E-07	4.81037963E-08
11	8.14929560E-08	6.23429155E-07	1.51420360E-07
12	1.67747900E-07	4.37797490E-07	1.79018860E-07
13	1.86362953E-07	3.03020947E-07	1.74105360E-07
14	1.75382965E-07	2.07649565E-07	1.56669351E-07
15	1.53254436E-07	1.40937388E-07	1.35813598E-07
16	1.28648236E-07	9.45101147E-08	1.15502794E-07
17	1.05394510E-07	6.22745173E-08	9.72828124E-08
18	8.49586633E-08	3.99267578E-08	8.15814430E-08
19	6.76836178E-08	2.44656327E-08	6.83335437E-08
20	5.34106379E-08	1.38077478E-08	5.72799488E-08
21	4.17856950E-08	6.50707784E-09	4.81074038E-08
22	3.24064267E-08	1.55781298E-09	4.05108740E-08
23	2.48885928E-08	-1.74199322E-09	3.42182479E-08
24	1.88923968E-08	-3.88410345E-09	2.89972470E-08
25	1.41293597E-08	-5.21437487E-09	2.46543493E-08
26	1.03603010E-08	-5.97693845E-09	2.10305302E-08
27	7.38973651E-09	-6.34466825E-09	1.79961109E-08
28	5.05929468E-09	-6.44028802E-09	1.54457520E-08
29	3.24134682E-09	-6.35106415E-09	1.32940072E-08

IL R	10 51	10 52	10 53
EIGENVALUE	-9.94680744E+01	-1.21339466E+02	-1.61218623E+02
COEFFICIENT			
K			
0	-2.62204549E-06	-6.17058769E-07	-1.71784818E-05
1	-3.06447842E-06	-1.14305242E-08	-2.68590282E-05
2	-4.49662714E-06	1.10841044E-06	-1.45298421E-04
3	-1.12511610E-05	7.60941424E-05	8.41671660E-05
4	3.87959514E-05	-1.98034245E-05	3.75207860E-05
5	1.86850156E-06	-1.50166444E-05	1.67263653E-05
6	-3.24815819E-06	-8.74496695E-06	7.89819292E-06
7	-3.22038942E-06	-4.96777612E-06	3.94888460E-06
8	-2.42339022E-06	-2.86478667E-06	2.07588116E-06
9	-1.70187136E-06	-1.69266338E-06	1.13939131E-06
10	-1.17357574E-06	-1.02610354E-06	6.49091629E-07
11	-8.09181519E-07	-6.37539184E-07	3.81935059E-07
12	-5.62039716E-07	-4.05290178E-07	2.31207307E-07
13	-3.94508826E-07	-2.63128277E-07	1.43525769E-07
14	-2.80197758E-07	-1.74160694E-07	9.11181400E-08
15	-2.01437028E-07	-1.17333314E-07	5.90265060E-08
16	-1.46564543E-07	-8.03454732E-08	3.89428384E-08
17	-1.07889951E-07	-5.58494822E-08	2.61238722E-08
18	-8.03144767E-08	-3.93644727E-08	1.77936485E-08
19	-6.04287927E-08	-2.81047990E-08	1.22907175E-08
20	-4.59304452E-08	-2.03075046E-08	8.60016565E-09
21	-3.52479787E-08	-1.48382119E-08	6.09032923E-09
22	-2.72972918E-08	-1.09556576E-08	4.36125878E-09
23	-2.13225079E-08	-8.16844518E-09	3.15566983E-09
24	-1.67911040E-08	-6.14641231E-09	2.30560193E-09
25	-1.33241200E-08	-4.66491922E-09	1.69989777E-09
26	-1.06492486E-08	-3.56930710E-09	1.26404869E-09
27	-8.56898682E-09	-2.75190803E-09	9.47512316E-10
28	-6.93879950E-09	-2.13697878E-09	7.15618054E-10
29	-5.65200297E-09	-1.67070555E-09	5.44331556E-10

L R	10 54	10 56	10 56
EIGENVALUE	-2.42325366E+02	-4.50434543E+02	-1.32961900E+03
COEFFICIENT			
K			
0	1.10787548E-04	8.09845053E-04	-7.69441199E-03
1	-3.07886929E-04	-1.19630107E-03	-6.60063633E-04
2	-2.96506943E-04	-2.16645824E-04	-1.21985463E-04
3	-8.70262678E-05	-5.74213085E-05	-3.19345275E-05
4	-3.03623576E-05	-1.88597994E-05	-1.03055007E-05
5	-1.20442665E-05	-7.15060513E-06	-3.83443057E-06
6	-5.26238139E-06	-3.00924285E-06	-1.58366761E-06
7	-2.47886894E-06	-1.37181350E-06	-7.08924941E-07
8	-1.24035521E-06	-6.66469725E-07	-3.38481295E-07
9	-6.52263252E-07	-3.41136555E-07	-1.70419440E-07
10	-3.57636788E-07	-1.82423232E-07	-8.97214594E-08
11	-2.03225029E-07	-1.01265308E-07	-4.90763208E-08
12	-1.19117088E-07	-5.80638003E-08	-2.77493306E-08
13	-7.17451067E-08	-3.42520694E-08	-1.61538757E-08
14	-4.42687051E-08	-2.07204125E-08	-9.64948700E-09
15	-2.79115138E-08	-1.28196492E-08	-5.89845730E-09
16	-1.79442603E-08	-8.09362051E-09	-3.68105624E-09
17	-1.17418478E-08	-5.20437083E-09	-2.34072038E-09
18	-7.80801342E-09	-3.40282540E-09	-1.51402786E-09
19	-5.26929587E-09	-2.25912354E-09	-9.94691179E-10
20	-3.60463511E-09	-1.52100490E-09	-6.62913716E-10
21	-2.49899093E-09	-1.03738126E-09	-4.47664078E-10
22	-1.74993272E-09	-7.16052856E-10	-3.06015376E-10
23	-1.23970933E-09	-4.99780059E-10	-2.11566854E-10
24	-8.87145909E-10	-3.52458366E-10	-1.47816946E-10
25	-6.40857139E-10	-2.50976848E-10	-1.04295894E-10
26	-4.67046423E-10	-1.80338136E-10	-7.42679061E-11
27	-3.43207485E-10	-1.30685072E-10	-5.33429471E-11
28	-2.54177370E-10	-9.54612594E-11	-3.86249863E-11
29	-1.89628457E-10	-7.02567953E-11	-2.81817896E-11

L R	11 0	11 1	11 2
EIGENVALUE	-4.51206824E+01	-4.52142417E+01	-4.53176604E+01
COEFFICIENT			
K			
0	0.00000000	0.00000000	0.00000000
1	0.00000000	0.00000000	0.00000000
2	0.00000000	0.00000000	0.00000000
3	0.00000000	0.00000000	0.00000000
4	0.00000000	0.00000000	0.00000000
5	0.00000000	0.00000000	0.00000000
6	0.00000000	0.00000000	0.00000000
7	0.00000000	0.00000000	0.00000000
8	0.00000000	0.00000000	0.00000000
9	0.00000000	0.00000000	0.00000000
10	0.00000000	0.00000000	0.00000000
11	0.00000000	0.00000000	0.00000000
12	0.00000000	0.00000000	0.00000000
13	0.00000000	0.00000000	0.00000000
14	0.00000000	0.00000000	0.00000000
15	0.00000000	0.00000000	0.00000000
16	0.00000000	0.00000000	0.00000000
17	0.00000000	0.00000000	0.00000000
18	0.00000000	0.00000000	0.00000000
19	0.00000000	0.00000000	0.00000000
20	1.31062597E-14	1.24960056E-14	1.52175257E-14
21	6.07680356E-14	3.03848277E-14	3.33944754E-14
22	4.99531598E-13	8.68363851E-14	8.34480316E-14
23	6.43025023E-11	3.13069756E-13	2.49199983E-13
24	-4.82846981E-10	1.64297747E-12	9.71818117E-13
25	-1.54507465E-09	1.95272651E-11	6.07296395E-12
26	-2.81481281E-09	-3.82329103E-10	-1.63688258E-10
27	-3.21524004E-09	1.64166159E-09	-1.26400058E-09
28	-2.36962042E-09	-3.25674175E-09	-3.30738503E-09
29	1.10778983E-09	3.18465025E-09	-3.75475958E-09
		-7.62878001E-10	8.97698886E-10
		-1.66802359E-09	1.93260695E-09
		2.03820975E-09	-1.19863617E-09
			-1.11909075E-09

L R	11		
	3	4	5
EIGENVALUE	-4.54308166E+01	-4.55535789E+01	-4.56858071E+01
COEFFICIENT			
K	0.	0.	0.
0	0.	0.	0.
1	0.	0.	0.
2	0.	0.	0.
3	0.	0.	0.
4	0.	0.	0.
5	0.	0.	0.
6	0.	0.	0.
7	0.	0.	0.
8	0.	0.	0.
9	0.	0.	0.
10	0.	0.	0.
11	0.	0.	0.
12	0.	0.	0.
13	0.	0.	0.
14	0.	0.	0.
15	0.	0.	0.
16	0.	0.	0.
17	0.	0.	0.
18	0.	0.	0.
19	0.	0.	0.
20	0.	0.	0.
21	0.	0.	0.
22	0.	0.	0.
23	0.	0.	0.
24	0.	0.	0.
25	0.	0.	0.
26	0.	0.	0.
27	0.	0.	0.
28	0.	0.	0.
29	0.	0.	0.
	1.18308253E-14	-1.30972644E-14	-1.01882764E-14
	2.41915538E-14	-2.11498166E-14	-1.29161633E-14
	5.42864682E-14	-3.68499992E-14	-1.83008188E-14
	1.39699488E-13	-6.92149704E-14	-2.94491470E-14
	4.38928767E-13	-1.41827374E-13	-5.36475118E-14
	1.89200752E-12	-3.25035094E-13	-1.10235443E-13
	1.53858870E-11	-8.68651370E-13	-2.58810725E-13
	-6.73122853E-10	-2.91355749E-12	-7.23107185E-13
	2.82139011E-09	-1.43708046E-11	-2.63010618E-12
	-4.44852300E-09	-1.85645174E-10	-1.56603152E-11
	2.06270273E-09	1.83165449E-09	-7.62451099E-10
	1.77817371E-09	-4.56377367E-09	-3.65842039E-09
	-1.41015781E-09	3.85814551E-09	-5.40961982E-09
	-1.27850355E-09	8.25323122E-10	1.37538019E-09
	1.03883076E-09	-2.15177013E-09	2.62046957E-09
		-9.20547664E-10	-1.76470015E-10
		1.22703238E-09	-1.73104652E-09
		1.06981980E-09	-7.07757703E-10
			9.25194316E-10

L R	11		
	6	7	8
EIGENVALUE	-4.58273528E+01	-4.59780604E+01	-4.61377679E+01
COEFFICIENT			
K	0.	0.	0.
0	0.	0.	0.
1	0.	0.	0.
2	0.	0.	0.
3	0.	0.	0.
4	0.	0.	0.
5	0.	0.	0.
6	0.	0.	0.
7	0.	0.	0.
8	0.	0.	0.
9	0.	0.	0.
10	0.	0.	0.
11	0.	0.	0.
12	0.	0.	0.
13	0.	0.	0.
14	0.	0.	0.
15	0.	0.	0.
16	0.	0.	0.
17	0.	0.	0.
18	0.	0.	0.
19	0.	0.	0.
20	0.	0.	0.
21	0.	0.	0.
22	0.	0.	0.
23	0.	0.	0.
24	0.	0.	0.
25	0.	0.	0.
26	0.	0.	0.
27	0.	0.	0.
28	0.	0.	0.
29	0.	0.	0.
	-1.05991407E-14	2.82474287E-14	2.45312147E-14
	-1.18294934E-14	0.	1.90984749E-14
	-1.26584631E-14	-1.28959595E-14	1.20739772E-14
	-1.29669577E-14	-1.79621757E-14	0.
	-1.27169570E-14	-2.27474350E-14	0.
	-1.19775430E-14	-2.70239872E-14	0.
	-1.09517744E-14	-3.07417260E-14	-1.40126007E-14
	0.	-3.41484687E-14	-2.21902715E-14
	0.	-3.79289540E-14	-2.91494242E-14
	-1.05048571E-14	-4.34028409E-14	-3.47558620E-14
	-1.37011998E-14	-5.28841199E-14	-3.94479102E-14
	-2.07850870E-14	-7.04445492E-14	-4.45325376E-14
	-3.45850790E-14	-1.03666946E-13	-5.27681815E-14
	-6.07652068E-14	-1.67917283E-13	-6.97767256E-14
	-1.11915185E-13	-2.97538898E-13	-1.07881859E-13
	-2.19027194E-13	-5.78223550E-13	-1.97688679E-13
	-4.67956258E-13	-1.25390757E-12	-4.28168396E-13
	-1.13608285E-12	-3.15007200E-12	-1.11589469E-12
	-3.33842790E-12	-9.85896911E-12	-3.77597984E-12
	-1.34285713E-11	-4.53714444E-11	-2.09465883E-11
	-1.06385638E-10	-6.03549648E-10	-1.80060529E-09
	-2.03837597E-09	4.06415816E-09	6.36617623E-09
	-5.59874672E-09	-6.59698951E-09	-5.70030111E-09
	4.38817970E-09	1.56090243E-09	-1.71951245E-09
	1.61206934E-09	3.11823269E-09	2.19484773E-09
	-1.93448546E-09	3.80171828E-10	2.12420695E-09
	-1.75163411E-09	-1.63235999E-09	1.55401656E-10
	2.65046838E-10	-1.36623502E-09	-1.24739086E-09
	1.37359776E-09	8.00019639E-11	-1.18695629E-09
	7.31722313E-10	1.06153504E-09	-1.74257628E-10

RL	11	11	11
	9	10	11
EIGENVALUE	-4.63063073E+01	-4.64835060E+01	-4.66691868E+01
COEFFICIENT			
K			
0	5.42011966E-14	1.35126353E-14	1.11336350E-13
1	6.17416149E-14	3.54756015E-14	9.37345238E-14
2	6.73592284E-14	5.87375973E-14	6.94635029E-14
3	7.05125923E-14	8.21299135E-14	3.91625593E-14
4	7.09803677E-14	1.04426978E-13	0.
5	6.90839737E-14	1.24736511E-13	-3.28105765E-14
6	6.58493171E-14	1.42994627E-13	-6.96747042E-14
7	6.31311071E-14	1.60533556E-13	-1.03954043E-13
8	6.37657219E-14	1.80788801E-13	-1.34322912E-13
9	7.19091934E-14	2.10384165E-13	-1.61296458E-13
10	9.38813842E-14	2.61201790E-13	-1.88379382E-13
11	1.40220438E-13	3.54903546E-13	-2.24067409E-13
12	2.30654716E-13	5.33638064E-13	-2.86271478E-13
13	4.06613098E-13	8.87339202E-13	-4.13709447E-13
14	7.65309058E-13	1.63015050E-12	-6.98910258E-13
15	1.56413355E-12	3.34337608E-12	-1.39789213E-12
16	3.59626596E-12	7.89696469E-12	-3.37219460E-12
17	9.89060478E-12	2.29841159E-11	-1.04898785E-11
18	3.67951841E-11	9.68449814E-11	-5.22957399E-11
19	2.69392768E-10	1.16170145E-09	-2.96591962E-09
20	-3.86731087E-09	-6.53547867E-09	8.99110728E-09
21	7.95564730E-09	7.77791002E-09	-5.39243164E-09
22	-2.83157049E-09	9.08621663E-10	-3.76040621E-09
23	-3.61036079E-09	-3.07795330E-09	6.49758385E-10
24	-2.68395841E-10	-2.30029350E-09	2.43561235E-09
25	1.83781778E-09	-1.51788666E-11	1.70447426E-09
26	1.62730608E-09	1.39537323E-09	1.28258084E-10
27	2.55393748E-10	1.35806114E-09	-9.79037795E-10
28	-8.71524888E-10	-4.37555356E-10	-1.15207525E-09
29	-1.05087549E-09	-5.07067266E-10	-5.99391887E-10

L	11	11	11
R	12	13	14
EIGENVALUE	-4.68631695E+01	-4.70652707E+01	-4.72753053E+01
COEFFICIENT			
K			
0	-2.16454221E-13	1.19513229E-13	2.49863770E-13
1	-2.37762790E-13	1.93636184E-13	1.68249068E-13
2	-2.51059256E-13	2.68609645E-13	6.90808977E-14
3	-2.54886735E-13	3.40747303E-13	-4.42896839E-14
4	-2.49088868E-13	4.06771013E-13	-1.66630777E-13
5	-2.35507227E-13	4.65230008E-13	-2.91787288E-13
6	-2.18453895E-13	5.18152177E-13	-4.14470726E-13
7	-2.05074907E-13	5.72974734E-13	-5.32690648E-13
8	-2.05916086E-13	6.45187632E-13	-6.50925207E-13
9	-2.36337261E-13	7.62909576E-13	-7.84746819E-13
10	-3.20137500E-13	9.76367870E-13	-9.69063971E-13
11	-4.98527231E-13	1.37967224E-12	-1.27583416E-12
12	-8.52556968E-13	2.16480378E-12	-1.85771218E-12
13	-1.56268357E-12	3.76784681E-12	-3.06887915E-12
14	-3.08460612E-12	7.31548468E-12	-5.84777787E-12
15	-6.75426984E-12	1.62379855E-11	-1.31763109E-11
16	-1.73848252E-11	4.37411908E-11	-3.74589424E-11
17	-5.91138990E-11	1.65423296E-10	-1.62740547E-10
18	-3.75450755E-10	1.56501438E-09	-3.81317244E-09
19	5.70583314E-09	-8.90523937E-09	1.16036308E-08
20	-1.01194006E-08	9.04932153E-09	-5.70160199E-09
21	1.41656276E-09	2.63660290E-09	-5.09348248E-09
22	4.35113600E-09	-2.54601018E-09	-4.82916809E-10
23	1.97373295E-09	-3.11187901E-09	2.18720689E-09
24	-7.60910679E-10	-1.33562271E-09	2.33104790E-09
25	-1.85662315E-09	5.10158321E-10	1.13690058E-09
26	-1.42103940E-09	1.38180353E-09	-1.87137590E-10
27	-3.33255347E-10	1.23740128E-09	-9.66752347E-10
28	5.91088819E-10	5.23598165E-10	-1.05694463E-09
29	9.33743327E-10	-2.37403636E-10	-6.49042676E-10

L R	11		11		11	
	15		16		17	
EIGENVALUE	-4.74930864E+01		-4.77184266E+01		-4.79511379E+01	
COEFFICIENT						
K						
0	-6.69882070E-13	-6.84428725E-13	-4.19548318E-14			
1	-6.77045497E-13	-8.52747836E-13	2.40034028E-13			
2	-6.56200100E-13	-1.00571363E-12	5.45403220E-13			
3	-6.06243499E-13	-1.13558947E-12	8.62744870E-13			
4	-5.30124776E-13	-1.23832022E-12	1.18000901E-12			
5	-4.35982446E-13	-1.31728795E-12	1.48898436E-12			
6	-3.37399581E-13	-1.38719281E-12	1.79156684E-12			
7	-2.53275078E-13	-1.47867755E-12	2.10805944E-12			
8	-2.08156415E-13	-1.64561623E-12	2.48944098E-12			
9	-2.34571110E-13	-1.97970984E-12	3.03930471E-12			
10	-3.80476090E-13	-2.64353564E-12	3.96013145E-12			
11	-7.29204485E-13	-3.95091907E-12	5.66376785E-12			
12	-1.45226413E-12	-6.57802961E-12	9.06512779E-12			
13	-2.95995160E-12	-1.21813523E-11	1.64679241E-11			
14	-6.39456136E-12	-2.55122350E-11	3.47394668E-11			
15	-1.56181625E-11	-6.35332275E-11	9.00625746E-11			
16	-4.83298097E-11	-2.12973621E-10	3.35750048E-10			
17	-2.54867054E-10	-1.49246247E-09	3.88494802E-09			
18	7.09082479E-09	1.08761676E-08	-1.41971315E-08			
19	-1.26744705E-08	-1.13300689E-08	7.55853732E-09			
20	9.87739976E-10	-3.50465838E-09	6.19960911E-09			
21	4.99778512E-09	2.60327754E-09	7.91714384E-10			
22	2.98837927E-09	3.66712405E-09	-2.32675900E-09			
23	3.07008767E-11	2.06834206E-09	-2.73195859E-09			
24	-1.64894955E-09	8.96142394E-11	-1.65563870E-09			
25	-1.82053999E-09	-1.14480805E-09	-2.83532768E-10			
26	-1.07826595E-09	-1.42929460E-09	7.00640849E-10			
27	-1.15909125E-10	-1.03304807E-09	1.08287102E-09			
28	5.89520928E-10	-3.58690298E-10	9.49305049E-10			
29	8.44917536E-10	2.52782022E-10	5.19797373E-10			

L R	11		11		11	
	18		19		20	
EIGENVALUE	-4.81910329E+01		-4.84379246E+01		-4.86916274E+01	
COEFFICIENT						
K						
0	-1.30660573E-12	-2.27093944E-12	-1.89168161E-12			
1	-1.10723728E-12	-2.40223056E-12	-2.46382116E-12			
2	-8.40847583E-13	-2.45496292E-12	-3.00552475E-12			
3	-5.14681650E-13	-2.42404519E-12	-3.49694701E-12			
4	-1.43478557E-13	-2.31692286E-12	-3.92906369E-12			
5	2.51794877E-13	-2.15906181E-12	-4.31566382E-12			
6	6.47942793E-13	-1.99789822E-12	-4.70736800E-12			
7	1.02545153E-12	-1.90754974E-12	-5.21086536E-12			
8	1.37609982E-12	-1.99888100E-12	-6.02230236E-12			
9	1.71333539E-12	-2.44482046E-12	-7.49702559E-12			
10	2.08966533E-12	-3.54461601E-12	-1.03129860E-11			
11	2.63411502E-12	-5.89145083E-12	-1.58908878E-11			
12	3.65084420E-12	-1.08454481E-11	-2.76016033E-11			
13	5.92592450E-12	-2.20622417E-11	-5.48201532E-11			
14	1.18868872E-11	-5.15765859E-11	-1.30096323E-10			
15	3.14767122E-11	-1.53716197E-10	-4.16501302E-10			
16	1.33704896E-10	-8.02755939E-10	-2.88111777E-09			
17	7.47775404E-09	1.18656458E-08	-1.61912110E-08			
18	-1.59173976E-08	-1.51669338E-08	-1.17291772E-08			
19	2.24850280E-09	-3.08711049E-09	-6.87175709E-09			
20	6.23550437E-09	3.82602624E-09	1.21303920E-10			
21	3.53729972E-09	4.44021444E-09	3.26494692E-09			
22	1.40586592E-10	2.36245087E-09	3.24997487E-09			
23	-1.76935541E-09	1.23828875E-10	1.83036526E-09			
24	-2.08628540E-09	-1.23196776E-09	2.86342032E-10			
25	-1.43396322E-09	-1.59474859E-09	-7.64006649E-10			
26	-4.79956294E-10	-1.26441739E-09	-1.18234814E-09			
27	3.19608473E-10	-6.26066237E-10	-1.08965741E-09			
28	7.55876353E-10	7.90739522E-12	-7.01135952E-10			
29	8.13011040E-10	4.49821124E-10	-2.26534881E-10			

L	R	11	11	11
		21	22	23
EIGENVALUE		-4.89519570E+01	-4.92187312E+01	-4.94917700E+01
COEFFICIENT				
K				
0		-3.06043354E-13	3.62191704E-12	6.23352442E-12
1		5.19476379E-13	3.02395822E-12	6.42106305E-12
2		1.41440060E-12	2.25496676E-12	6.40398981E-12
3		2.35097471E-12	1.33644624E-12	6.18294465E-12
4		3.30152292E-12	3.06748762E-13	5.79057755E-12
5		4.25123356E-12	-7.83115963E-13	5.30404463E-12
6		5.21700230E-12	-1.88086563E-12	4.85464995E-12
7		6.27448095E-12	-2.94981869E-12	4.64245881E-12
8		7.60241173E-12	-3.99238194E-12	4.97111254E-12
9		9.56928606E-12	-5.08720697E-12	6.33738564E-12
10		1.29303973E-11	-6.46300074E-12	9.66587640E-12
11		1.93359921E-11	-8.68153054E-12	1.69634065E-11
12		3.28270592E-11	-1.31851735E-11	3.33832766E-11
13		6.50719694E-11	-2.43028314E-11	7.51763101E-11
14		1.59130706E-10	-5.90936315E-11	2.12199303E-10
15		5.59705463E-10	-2.30653995E-10	1.01167877E-09
16		6.31924352E-09	-1.09734555E-08	-1.62633365E-08
17		-1.93394654E-08	2.02745668E-08	1.83958680E-08
18		6.20474239E-09	1.30188641E-10	5.71848812E-09
19		8.05722337E-09	-6.49184266E-09	-2.92828254E-09
20		3.32733187E-09	-5.22021856E-09	-4.98588260E-09
21		-7.24897794E-10	-1.95472516E-09	-3.63251309E-09
22		-2.49700391E-09	6.13076331E-10	-1.43529479E-09
23		-2.47209876E-09	1.62472967E-09	3.25646645E-10
24		-1.55529913E-09	1.91617784E-09	1.26880942E-09
25		-4.70057768E-10	1.36859469E-09	1.47571069E-09
26		3.70951294E-10	6.15234033E-10	1.19827879E-09
27		8.18065493E-10	-5.41398475E-11	6.99762520E-10
28		8.92509521E-10	-4.95437973E-10	1.84837177E-10
29		7.01960448E-10	-6.76682616E-10	-2.19252015E-10

L	R	11	11	11
		24	25	26
EIGENVALUE		-4.97708958E+01	-5.00559339E+01	-5.03467124E+01
COEFFICIENT				
K				
0		6.03237763E-12	1.86981696E-12	5.46628301E-12
1		7.29791269E-12	3.95716313E-12	3.40329822E-12
2		8.44252695E-12	6.11716755E-12	1.03719461E-12
3		9.43871496E-12	8.29871313E-12	-1.57266886E-12
4		1.02945516E-11	1.04713460E-11	-4.35446073E-12
5		1.10836265E-11	1.26625519E-11	-7.24943011E-12
6		1.19815011E-11	1.50116288E-11	-1.02578158E-11
7		1.33222454E-11	1.78545047E-11	-1.35110761E-11
8		1.57088991E-11	2.18821333E-11	-1.73982874E-11
9		2.02636654E-11	2.84873533E-11	-2.28293017E-11
10		2.92558440E-11	4.06309443E-11	-3.18834199E-11
11		4.78598458E-11	6.53083435E-11	-4.96871850E-11
12		9.98715133E-11	1.21858944E-10	-9.09834620E-11
13		2.00956963E-10	2.77843821E-10	-2.10432243E-10
14		5.96064213E-10	8.87229626E-10	-7.33385657E-10
15		3.56226102E-09	7.60800980E-09	-1.29957451E-08
16		-2.12425037E-08	-2.48086837E-08	2.59919374E-08
17		1.37768781E-08	7.19583203E-09	5.35470357E-11
18		9.21449795E-09	9.89052315E-09	-7.82205709E-09
19		1.30053748E-09	4.77922720E-09	-6.47897145E-09
20		-2.90940102E-09	8.44530816E-11	-2.85206814E-09
21		-3.71522009E-09	-2.31820932E-09	1.15086195E-10
22		-2.72858507E-09	-2.78600923E-09	1.69816076E-09
23		-1.24100767E-09	-2.16099768E-09	2.09467373E-09
24		2.93422698E-11	-1.15713681E-09	1.75443322E-09
25		8.11183228E-10	-2.20968357E-10	1.09423974E-09
26		1.10026279E-09	4.37436873E-10	4.07480037E-10
27		1.01770441E-09	7.70394782E-10	-1.39913042E-10
28		7.19360427E-10	8.22783567E-10	-4.82191241E-10
29		3.46269211E-10	6.80028092E-10	-6.20545028E-10

L R	11 27	11 28	11 29
EIGENVALUE	-5.06430625E+01	-5.09448190E+01	-5.12518203E+01
COEFFICIENT			
K			
0	1.31475902E-11	1.72610709E-11	1.44828053E-11
1	1.22701109E-11	1.85381724E-11	1.81629043E-11
2	1.09345780E-11	1.93787406E-11	2.16427395E-11
3	9.18791106E-12	1.97983628E-11	2.48947024E-11
4	7.13169205E-12	1.99022925E-11	2.79906257E-11
5	4.92898472E-12	1.99365217E-11	3.11911771E-11
6	2.79932782E-12	2.03486882E-11	3.50732962E-11
7	1.01487115E-12	2.18972435E-11	4.07557729E-11
8	-8.44351422E-14	2.58965219E-11	5.03790467E-11
9	-2.01211974E-14	3.48274503E-11	6.82706033E-11
10	2.04956228E-12	5.40079103E-11	1.04146902E-10
11	8.04206967E-12	9.68107148E-11	1.83383146E-10
12	2.35789082E-11	2.04673043E-10	3.88368258E-10
13	7.10263308E-11	5.54883384E-10	1.10287763E-09
14	3.06688461E-10	2.65451754E-09	6.58072819E-09
15	-1.91825621E-08	-2.52953854E-08	-3.02909555E-08
16	2.42298231E-08	1.95429982E-08	1.25593807E-08
17	6.50410232E-09	1.08965026E-08	1.24840631E-08
18	-3.81022866E-09	9.04925845E-10	5.02597520E-09
19	-6.03807788E-09	-3.78869487E-09	-5.63155060E-10
20	-4.46319384E-09	-4.48706466E-09	-3.06119109E-09
21	-2.00178587E-09	-3.28133351E-09	-3.35724834E-09
22	3.93636127E-13	-1.60562248E-09	-2.54057313E-09
23	1.16043906E-09	-1.88343421E-10	-1.39587185E-09
24	1.55592961E-09	7.17814816E-10	-3.65374893E-10
25	1.42517385E-09	1.11953633E-09	3.63284592E-10
26	1.01660975E-09	1.13597125E-09	7.59246332E-10
27	5.26913442E-10	9.13551752E-10	8.73005176E-10
28	8.57210426E-11	5.83256086E-10	7.86695547E-10
29	-2.38142445E-10	2.43653405E-10	5.84907124E-10

L R	11 30	11 31	11 32
EIGENVALUE	-5.15639099E+01	-5.18809358E+01	-5.22027421E+01
COEFFICIENT			
K			
0	-3.75676801E-12	-1.27739795E-11	-3.00423232E-11
1	-9.06067518E-12	-7.57250175E-12	-2.71335554E-11
2	-1.45636613E-11	-1.74078087E-12	-2.32979209E-11
3	-2.01922429E-11	4.60784678E-12	-1.86746121E-11
4	-2.59436985E-11	1.13615839E-11	-1.34993534E-11
5	-3.19870811E-11	1.84803973E-11	-8.10927894E-12
6	-3.88236657E-11	2.61253211E-11	-2.92191852E-12
7	-4.75708231E-11	3.48832455E-11	1.58435366E-12
8	-6.05526968E-11	4.62157814E-11	4.85613284E-12
9	-8.27258193E-11	6.35236755E-11	6.15019645E-12
10	-1.25647535E-10	9.51390585E-11	4.11309939E-12
11	-2.20599269E-10	1.64539321E-10	-4.78771609E-12
12	-4.74336812E-10	3.56338653E-10	-3.38420280E-11
13	-1.43522798E-09	1.15764245E-09	-1.71032169E-10
14	-1.20896900E-08	1.88563401E-08	2.62366469E-08
15	3.31759027E-08	-3.32290512E-08	-3.01670998E-08
16	-4.38376154E-09	-3.64576361E-09	-1.02453804E-08
17	-1.11816909E-08	7.53485047E-09	2.53757011E-09
18	-7.54836344E-09	7.98428338E-09	6.41821894E-09
19	-2.62058199E-09	4.87679783E-09	5.67878319E-09
20	7.62718588E-10	1.63617766E-09	3.42842679E-09
21	2.31295029E-09	-5.83892907E-10	1.23551106E-09
22	2.53611849E-09	-1.67777930E-09	-3.19609065E-10
23	2.02988697E-09	-1.91767688E-09	-1.16345370E-09
24	1.25526457E-09	-1.64180655E-09	-1.43366551E-09
25	5.00679491E-10	-1.13279308E-09	-1.32304477E-09
26	-8.77974356E-11	-5.86222505E-10	-1.00813915E-09
27	-4.62269771E-10	-1.16934828E-10	-6.23576970E-10
28	-6.33867944E-10	2.22310940E-10	-2.58833020E-10
29	-6.43622195E-10	4.21014578E-10	3.54342950E-11



L	11	11	11
R	33	34	35
EIGENVALUE	-5.25291566E+01	-5.28603575E+01	-5.32448283E+01
COEFFICIENT			
K			
0	-4.14958202E-11	4.11019018E-11	2.80388658E-11
1	-4.27924742E-11	4.74594177E-11	4.18111159E-11
2	-4.31402558E-11	5.31826020E-11	5.56577628E-11
3	-4.26826821E-11	5.83888843E-11	6.96287917E-11
4	-4.17611181E-11	6.34634350E-11	8.41047648E-11
5	-4.10243616E-11	6.92717305E-11	1.00139160E-10
6	-4.15774081E-11	7.74921916E-11	1.20040921E-10
7	-4.52886243E-11	9.12830758E-11	1.48538672E-10
8	-5.55416632E-11	1.16853639E-10	1.95502574E-10
9	-7.92641976E-11	1.67671306E-10	2.83303032E-10
10	-1.33129689E-10	2.77554853E-10	4.70366834E-10
11	-2.66614899E-10	5.51361105E-10	9.47178220E-10
12	-6.80903542E-10	1.44752037E-09	2.62791998E-09
13	-2.94305832E-09	7.37311466E-09	1.77772424E-08
14	-3.33368455E-08	-3.90202365E-08	-5.26348126E-08
15	-2.42050946E-08	1.59701311E-08	6.52718262E-09
16	-1.44365081E-08	1.56571718E-08	1.67137076E-08
17	-2.63279542E-09	6.85994887E-09	1.17579951E-08
18	3.40662591E-09	2.17944028E-10	4.87023700E-09
19	4.94529220E-09	-2.98484909E-09	-4.56635726E-11
20	4.16371089E-09	-3.71937290E-09	-2.56222484E-09
21	2.59670224E-09	-3.13747032E-09	-3.29078865E-09
22	1.07152903E-09	-2.06824270E-09	-2.96745929E-09
23	-6.83370255E-11	-9.93176122E-10	-2.16936837E-09
24	-7.53100762E-10	-1.38680174E-10	-1.27130020E-09
25	-1.04375392E-09	4.27170976E-10	-4.80709327E-10
26	-1.04787499E-09	7.22022857E-10	1.11927094E-10
27	-8.75395413E-10	8.01874170E-10	4.89048671E-10
28	-6.18639533E-10	7.33076599E-10	6.73396084E-10
29	-3.45927742E-10	5.77421978E-10	7.06079219E-10

L	11	11	11
R	36	37	38
EIGENVALUE	-5.39364867E+01	-5.49823750E+01	-5.63502664E+01
COEFFICIENT			
K			
0	7.06376359E-11	1.83954367E-10	1.92623457E-10
1	5.29667908E-11	2.07885552E-10	1.40272004E-10
2	3.30080566E-11	2.29757506E-10	8.31181177E-11
3	1.11257554E-11	2.50759422E-10	2.17533541E-11
4	-1.23119250E-11	2.73392844E-10	-4.35985949E-11
5	-3.71368294E-11	3.02590952E-10	-1.13835391E-10
6	-6.38125055E-11	3.47734641E-10	-1.92653674E-10
7	-9.42560944E-11	4.27184930E-10	-2.90245013E-10
8	-1.33664915E-10	5.80123616E-10	-4.33043596E-10
9	-1.95463268E-10	9.02675772E-10	-6.95779591E-10
10	-3.17944387E-10	1.68485705E-09	-1.34312888E-09
11	-6.39306069E-10	4.15566644E-09	-3.89182579E-09
12	-1.97155625E-09	1.96460998E-08	-9.07802429E-08
13	-4.95119865E-08	-9.79727863E-08	1.04144016E-07
14	6.48599357E-08	3.08610444E-08	3.77690535E-08
15	1.85957788E-08	3.59489983E-08	-2.14970966E-09
16	-6.25165170E-09	1.93370875E-08	5.9786671E-08
17	-1.28600517E-08	4.98461859E-09	-1.65591020E-08
18	-1.10604025E-08	-3.18069029E-09	-1.22280041E-08
19	-6.79533895E-09	-6.37289621E-09	-7.11341617E-09
20	-2.77751455E-09	-6.55504762E-09	-2.87925411E-09
21	8.08054886E-11	-5.28206303E-09	3.90456396E-11
22	1.70911373E-09	-3.54633816E-09	1.73879116E-09
23	2.35747459E-09	-1.89249995E-09	2.49826145E-09
24	2.34536242E-09	-5.67189233E-10	2.61524434E-09
25	1.95627219E-09	3.60274932E-10	2.34312450E-09
26	1.40450974E-09	9.15015366E-10	1.87365312E-09
27	8.34475609E-10	1.16460771E-09	1.34003092E-09
28	3.32364853E-10	1.18881506E-09	8.27302324E-10
29	-5.92124892E-11	1.06342702E-09	3.84047161E-10

L	11	11	11
R	39	40	41
EIGENVALUE	-5.80510256E+01	-6.01237327E+01	-6.26289679E+01
COEFFICIENT			
K			
0	-4.30383531E-10	-1.01191234E-09	4.47885281E-11
1	-5.27482066E-10	-9.57506877E-10	3.95247817E-10
2	-6.24701869E-10	-8.97575239E-10	7.58714152E-10
3	-7.27868266E-10	-8.39999814E-10	1.15366189E-09
4	-8.48048321E-10	-7.97097773E-10	1.61570506E-09
5	-1.00694415E-09	-7.89991452E-10	2.21893936E-09
6	-1.24839916E-09	-8.58215864E-10	3.13104666E-09
7	-1.66777869E-09	-1.08739949E-09	4.78466396E-09
8	-2.50140602E-09	-1.70594345E-09	8.57562920E-09
9	-4.47060919E-09	-3.54210484E-09	2.14112806E-08
10	-1.07386303E-08	-1.20553368E-08	1.86279789E-07
11	-5.58247328E-08	-2.01868858E-07	-2.49057166E-07
12	1.69343193E-07	-1.08819707E-07	-7.66037761E-08
13	-9.16725890E-09	-7.97298159E-08	5.25605264E-09
14	-4.30901971E-08	-3.30188680E-08	3.05491558E-08
15	-3.50017955E-08	-3.89927294E-09	3.15807513E-08
16	-1.96171678E-08	9.52918214E-09	2.42920229E-08
17	-7.16211105E-09	1.34655777E-08	1.57988018E-08
18	6.12901746E-10	1.26466759E-08	8.66003923E-09
19	4.51397711E-09	9.93237733E-09	3.48030781E-09
20	5.81298642E-09	6.84165082E-09	1.01095354E-10
21	5.59672387E-09	4.08063203E-09	-1.86737397E-09
22	4.63522472E-09	1.90628320E-09	-2.82721428E-09
23	3.41739161E-09	3.47655549E-10	-3.11597063E-09
24	2.22453387E-09	-6.68604810E-10	-2.99057126E-09
25	1.19865593E-09	-1.25113229E-09	-2.63477496E-09
26	3.94643779E-10	-1.51039432E-09	-2.17360429E-09
27	-1.83366372E-10	-1.54385254E-09	-1.68797251E-09
28	-5.58094088E-10	-1.43094755E-09	-1.22710738E-09
29	-7.64160394E-10	-1.23295176E-09	-8.18266362E-10

L	11	11	11
R	42	43	44
EIGENVALUE	-6.56485353E+01	-6.92878624E+01	-7.36781753E+01
COEFFICIENT			
K			
0	3.26826786E-09	-4.85984162E-09	3.15866176E-09
1	3.60565046E-09	-4.32725878E-09	5.00542764E-09
2	3.98738615E-09	-3.85967962E-09	7.02490404E-09
3	4.48385131E-09	-3.49486537E-09	9.51158353E-09
4	5.22258335E-09	-3.30241402E-09	1.30541271E-08
5	6.46616851E-09	-3.43232437E-09	1.90735436E-08
6	8.83302143E-09	-4.26956193E-09	3.19235036E-08
7	1.41005259E-08	-7.13256582E-09	7.19113193E-08
8	2.94448543E-08	-1.99958226E-08	4.99709043E-07
9	1.20025393E-07	5.05127917E-07	-5.83356668E-07
10	-3.98736878E-07	-2.24765510E-07	-2.10560795E-07
11	1.04820367E-08	-1.76343361E-07	-3.09162494E-08
12	8.30529930E-08	-8.78433590E-08	3.42724223E-08
13	7.14077423E-08	-2.98249028E-08	4.90679360E-08
14	4.51802340E-08	4.98750856E-10	4.47042841E-08
15	2.30332234E-08	1.35811033E-08	3.47871653E-08
16	8.14626436E-09	1.73269637E-08	2.47264005E-08
17	-5.87383808E-10	1.65519561E-08	1.63415475E-08
18	-5.01855447E-09	1.39252870E-08	9.97100118E-09
19	-6.73474287E-09	1.08243253E-08	5.40475335E-09
20	-6.87678054E-09	7.89998044E-09	2.28063609E-09
21	-6.19605547E-09	5.41406777E-09	2.40912950E-10
22	-5.15833695E-09	3.43064396E-09	-1.01532233E-09
23	-4.03613907E-09	1.92081639E-09	-1.72286690E-09
24	-2.97758269E-09	8.18253974E-10	-2.05720202E-09
25	-2.05383948E-09	4.73182927E-11	-2.14577975E-09
26	-1.29037239E-09	-4.63670034E-10	-2.07917814E-09
27	-6.86863882E-10	-7.77020205E-10	-1.92055400E-09
28	-2.29585655E-10	-9.44250768E-10	-1.71310120E-09
29	1.01142092E-10	-1.00656552E-09	-1.48570709E-09

L	11	11	11
R	45	46	47
EIGENVALUE	-7.89763437E+01	-8.53742515E+01	-9.30274854E+01
COEFFICIENT			
K			
0	2.08129579E-08	1.83940523E-08	4.62596238E-08
1	2.20661240E-08	1.46544967E-08	5.50577042E-08
2	2.41888838E-08	1.15796818E-08	6.78513639E-08
3	2.79971057E-08	9.12576805E-09	8.97324785E-08
4	3.53086291E-08	7.37237540E-09	1.35035396E-07
5	5.11469865E-08	6.78835444E-09	2.64467740E-07
6	9.48095405E-08	1.02532015E-08	1.24950077E-06
7	3.26716483E-07	-1.36992213E-06	-1.60997220E-06
8	-1.02876414E-06	5.39313026E-07	-5.09999189E-07
9	-3.86144304E-08	4.17010396E-07	-8.28942526E-08
10	1.46725249E-07	2.23268195E-07	5.73541702E-08
11	1.43191742E-07	9.91737509E-08	8.93300863E-08
12	1.02614966E-07	3.20067912E-08	6.39281364E-08
13	6.44477366E-08	-9.53962339E-10	6.82030417E-08
14	3.65104212E-08	-1.52537530E-08	5.19127739E-08
15	1.80637971E-08	-1.99418115E-08	3.81001457E-08
16	6.65306980E-09	-1.99749347E-08	2.72965597E-08
17	9.08500000E-12	-1.79731876E-08	1.91827059E-08
18	-3.56448871E-09	-1.52748706E-08	1.32284727E-08
19	-5.23339247E-09	-1.25308947E-08	8.92302129E-09
20	-5.76426933E-09	-1.00307359E-08	5.84297918E-09
21	-5.64718176E-09	-7.87867407E-09	3.65976882E-09
22	-5.18824529E-09	-6.08802662E-09	2.12680816E-09
23	-4.57416921E-09	-4.63084564E-09	1.06244027E-09
24	-3.91545281E-09	-3.46356155E-09	3.34237138E-10
25	-3.27465478E-09	-2.53972436E-09	-1.53763056E-10
26	-2.68463539E-09	-1.81590012E-09	-4.70859839E-10
27	-2.16020822E-09	-1.25400574E-09	-6.66999079E-10
28	-1.70551501E-09	-8.21853287E-10	-7.78131574E-10
29	-1.31864760E-09	-4.92849775E-10	-8.30105558E-10

L	11	11	11
R	48	49	50
EIGENVALUE	-1.01328490E+02	-1.10964082E+02	-1.26957263E+02
COEFFICIENT			
K			
0	-7.77214545E-08	1.29620729E-07	3.98039606E-07
1	-7.45954627E-08	1.55937909E-07	4.23850399E-07
2	-7.76321160E-08	2.00664010E-07	5.13873081E-07
3	-9.18774003E-08	2.92874990E-07	7.77916266E-07
4	-1.35610368E-07	5.55046788E-07	2.01502758E-06
5	-3.24427465E-07	2.65198468E-06	-6.59485313E-06
6	-2.55093227E-06	-2.76321803E-06	-4.56690923E-07
7	-3.25705941E-07	-1.01819276E-06	5.05118023E-07
8	-4.86297065E-07	-2.89222670E-07	5.40014700E-07
9	-3.45815726E-07	-1.92191470E-08	4.15295761E-07
10	-2.12116510E-07	6.88323963E-08	2.93405215E-07
11	-1.21516348E-07	8.75909264E-08	2.01871828E-07
12	-6.56918948E-08	8.17781193E-08	1.38140216E-07
13	-3.27037836E-08	6.88834899E-08	9.48627399E-08
14	-1.37426211E-08	5.54861604E-08	6.56417796E-08
15	-3.15769416E-09	4.37589943E-08	4.58546000E-08
16	2.50123215E-09	3.41845226E-08	3.23617613E-08
17	5.29916064E-09	2.66185801E-08	2.30785040E-08
18	6.46116261E-09	2.07340808E-08	1.66286287E-08
19	6.71033171E-09	1.61899317E-08	1.21019373E-08
20	6.47123389E-09	1.26885242E-08	8.89288942E-09
21	5.99110226E-09	9.98854872E-09	6.59542616E-09
22	5.41186278E-09	7.90123137E-09	4.93481290E-09
23	4.81299065E-09	6.28160458E-09	3.72341813E-09
24	4.23707186E-09	5.01937440E-09	2.83187791E-09
25	3.70508244E-09	4.03096343E-09	2.17015977E-09
26	3.22552978E-09	3.25308851E-09	1.67502562E-09
27	2.79991493E-09	2.63777205E-09	1.30165878E-09
28	2.42598155E-09	2.14854585E-09	1.01802203E-09
29	2.09963053E-09	1.75759419E-09	8.01021777E-10

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L	11	11	11
R	51	52	53
EIGENVALUE	-1.53020485E+02	-1.96120214E+02	-2.73667245E+02
COEFFICIENT			
K			
0	3.45690513E-07	-1.14511541E-06	-8.61825416E-06
1	3.01764981E-07	-1.65410484E-06	-1.28963432E-05
2	3.13190610E-07	-3.11654222E-06	-4.72064807E-05
3	4.91322709E-07	-2.35417389E-05	3.41226821E-05
4	-1.25393542E-05	1.01576144E-05	1.27956420E-05
5	2.21915697E-06	5.55714593E-06	5.10682473E-06
6	2.18706798E-06	2.75099560E-06	2.20948266E-06
7	1.39414864E-06	1.38813421E-06	1.02524386E-06
8	8.33050998E-07	7.26156621E-07	5.04429988E-07
9	4.95764059E-07	3.94135522E-07	2.60698255E-07
10	2.98856148E-07	2.21354454E-07	1.40483354E-07
11	1.83433330E-07	1.28201651E-07	7.84742649E-08
12	1.14770105E-07	7.63251668E-08	4.52300754E-08
13	7.31750248E-08	4.65773934E-08	2.67976261E-08
14	4.74986619E-08	2.90633867E-08	1.62705136E-08
15	3.13548374E-08	1.85037860E-08	1.00980194E-08
16	2.10253736E-08	1.19984631E-08	6.39251753E-09
17	1.43064327E-08	7.91143795E-09	4.12020252E-09
18	9.86807802E-09	5.29728149E-09	2.69958877E-09
19	6.89363189E-09	3.59745660E-09	1.79564618E-09
20	4.87318940E-09	2.47526625E-09	1.21108225E-09
21	3.48333877E-09	1.72394389E-09	8.27376419E-10
22	2.51589163E-09	1.21432294E-09	5.72015120E-10
23	1.83495061E-09	8.64425598E-10	3.99878788E-10
24	1.35063609E-09	6.21452450E-10	2.82451750E-10
25	1.00276507E-09	4.50927890E-10	2.01449138E-10
26	7.50567563E-10	3.30050919E-10	1.44987056E-10
27	5.66119662E-10	2.43559819E-10	1.05243836E-10
28	4.30096352E-10	1.81123579E-10	7.70103324E-11
29	3.28991567E-10	1.35674401E-10	5.67786467E-11

L	11	11	11
R	54	55	56
EIGENVALUE	-4.34875240E+02	-8.63937280E+02	-2.77005403E+03
COEFFICIENT			
K			
0	-4.49978386E-05	-3.12962650E-04	-3.36732917E-03
1	-1.08082794E-04	4.88951892E-04	-2.62796541E-04
2	1.16951049E-04	7.95071797E-05	-4.52337063E-05
3	3.01792429E-05	1.95008825E-05	-1.11581549E-05
4	9.63174561E-06	6.00720509E-06	-3.41924964E-06
5	3.55320739E-06	2.15428558E-06	-1.21487672E-06
6	1.45804917E-06	8.62673495E-07	-4.81212204E-07
7	6.49436638E-07	3.75906441E-07	-2.07302148E-07
8	3.08818653E-07	1.75190111E-07	-9.55189350E-08
9	1.54934551E-07	8.62701720E-08	-4.65209681E-08
10	8.13010593E-08	4.44902291E-08	-2.37397623E-08
11	4.43284206E-08	2.38665346E-08	-1.26085130E-08
12	2.49848016E-08	1.32479935E-08	-6.93309657E-09
13	1.44977930E-08	7.57747664E-09	-3.93035861E-09
14	8.63216785E-09	4.45072093E-09	-2.28916801E-09
15	5.25946297E-09	2.67695310E-09	-1.36589139E-09
16	3.27168420E-09	1.64484975E-09	-8.32908088E-10
17	2.07379544E-09	1.03041454E-09	-5.17995285E-10
18	1.33721554E-09	6.56972087E-10	-3.27969420E-10
19	8.75893757E-10	4.25677194E-10	-2.11082997E-10
20	5.82061810E-10	2.79926699E-10	-1.37912535E-10
21	3.91988715E-10	1.86611938E-10	-9.13637143E-11
22	2.67263240E-10	1.25986538E-10	-6.13072292E-11
23	1.84326291E-10	8.60609003E-11	-4.16309613E-11
24	1.28492792E-10	5.94338456E-11	-2.85844560E-11
25	9.04708925E-11	4.14660834E-11	-1.98303803E-11
26	6.42987118E-11	2.92078368E-11	-1.38909037E-11
27	4.61008658E-11	2.07584863E-11	-9.81898486E-12
28	3.33274050E-11	1.48781116E-11	-7.00005560E-12
29	2.42812393E-11	1.07483518E-11	-5.03058095E-12

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