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Title

Unbreakable: Music for Big Spaces

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Author

De Togni, Daniel

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Unbreakable:
Music for Big Spaces

for Five Players

By Daniel De Togni

Instrumentation:

Shakuhachi (can be played on western flute if not available)

Violin

Cello

2 Percussionists

Pitched Percussion:

Crotales (C5-C6)

Vibraphone (2 bass bows, as well as super-ball mallet for pitch bend)

Non-pitched Percussion:

Triangle

Snare Drum (w/brushes)

Bass Drum

4 woodblocks of different pitches

Live Electronics performed by shakuhachi player

Program Notes

Unbreakable: Music for Big Spaces was written for the beautiful architecture of the rotunda in the Bowdoin Museum of Art.

With its dizzying seven-second reverb and Greco-Roman statues, the atmosphere is that of a calm stillness that yet still evokes movement in its architecture.

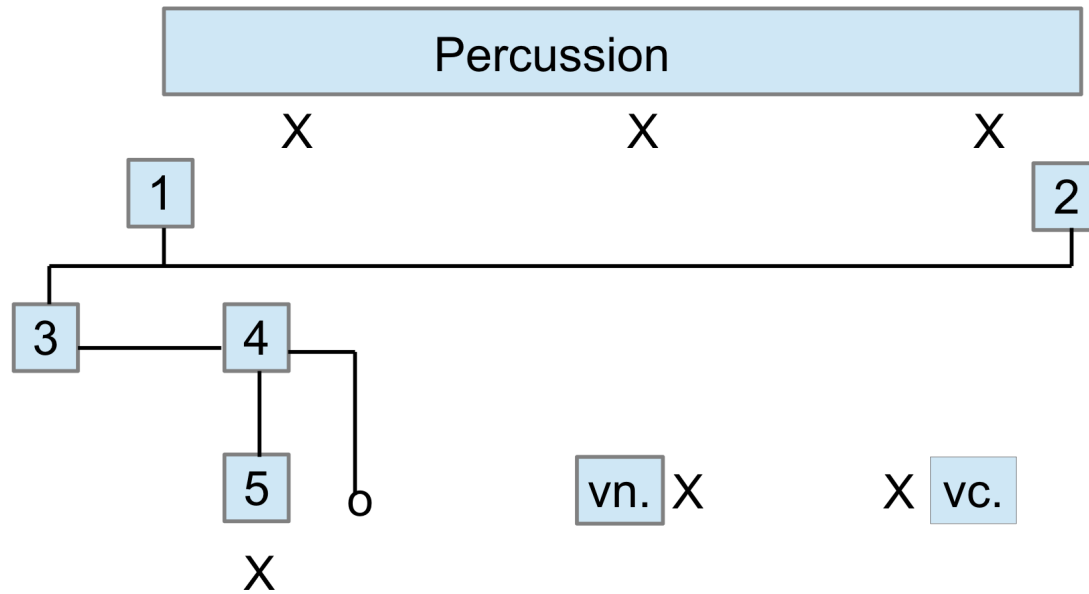
The title references the ancient statues displayed throughout the round. Even though they are missing bits and pieces of themselves, their inherent beauty remains unbroken.

The beginning of the piece incorporates a shakuhachi solo which later comes back in the electronics, processed and now contained in a new context (a different musical container).

Much like how this piece plays with the ambient space around the musical material, it also uses the relationship between the shakuhachi and electronics as a conversation on the musical containers in which we display ideas (live vs. recorded vs. processed).

The piece ends with a slow dance, which imitates the striking still-life of the statues placed around the rotunda. By the end of the performance, everything is engulfed and erased by electronic noise.

Duration-Approx. 11-12'



1,2-stereo speakers
 3- mixer
 4-interface
 5-laptop
 o-microphone
 x-music stand

*at least 4 aux cables are required for performance, one from each speaker to mixer one for mixer to interface, and one for microphone to interface

Boom stand required for microphone

Interface and laptop provided by composer

List of tech needs

- 2 speakers
- 1 mixer
- 4 aux cables
- Boom stand
- Microphone
- Interface and Laptop (provided by composer)

Score

Unbreakable: Music for Big Spaces

Daniel De Togni

Freely (♩ = c. 60-72)

during these flutter beams, feel free to arbitrarily jump to the above octave

The score is written for eight instruments in 4/4 time. The Shakuhachi part begins with a series of notes, followed by a rapid flutter beam. The Violin and Cello parts feature long, expressive lines with dynamics ranging from *p* to *ppp*. The Crotales part is marked *Sempre L.V.* and *mp*. The Vibraphone part includes *mp* and *ped.* markings. The Percussion part includes *triangle* and *bass drum* markings. The Wood Blocks and Electronics parts are currently blank.

A In Time

5

Shaku. *p* *mp* *ppp* *p* *f* *p*

Vln. *p* *mp* *ppp* *p* *cresc.* *mp*

Vc. *p* *mp* *ppp* *pp* *cresc.* *p*

Crt.

Vib.

Perc.

W. Bl.

Etr.

under shakuhachi
molto sul. tasto - - - - - Ord.

molto sul. tasto - - - - - Ord.

10

Shaku. *mp* *mf* *mp* *f*

Vln. *pp* *mp* *p* *pp*

Vc. *pp* *mp* *p* *pp*

Crt. *p*

Vib. *mp*

Perc. *7/4* *4/4* *2/4* *5/4* *4/4*

W. Bl. *7/4* *4/4* *2/4* *5/4* *4/4*

Etr. *7/4* *4/4* *2/4* *5/4* *4/4*

Both players, w/ drum sticks

Detailed description: This is a page of a musical score for a percussion ensemble. The page is numbered '6' at the top left. The score begins at measure 10, indicated by a '10' above the first staff. The instruments listed on the left are Shaku, Vln. (Violin), Vc. (Viola), Crt. (Cymbal), Vib. (Vibraphone), Perc. (Percussion), W. Bl. (Wood Block), and Etr. (Etréscant). The Shaku part is written in a treble clef with a 7/4 time signature, featuring a melodic line with dynamics *mp*, *mf*, *mp*, and *f*. The Vln. and Vc. parts are also in treble clef with 7/4 time signature, with dynamics *pp*, *mp*, *p*, and *pp*. The Crt. part is in treble clef with 7/4 time signature, starting with a *p* dynamic. The Vib. part is in treble clef with 7/4 time signature, starting with a *mp* dynamic. The Perc., W. Bl., and Etr. parts are shown as empty staves with their respective time signatures: Perc. (7/4, 4/4, 2/4, 5/4, 4/4), W. Bl. (7/4, 4/4, 2/4, 5/4, 4/4), and Etr. (7/4, 4/4, 2/4, 5/4, 4/4). A note 'Both players, w/ drum sticks' is placed in the Vib. staff for the final two measures of the page.

B Faster (♩ = c. 80)

Shaku.

Crt.

Vib.

Perc.

W. Bl.

Crt.

Vib.

Perc.

23

Vln. *pp*

Vc. *pp*

Vib. *p* *fp*

Perc.

Etr. *ppp* *p* *mp*

chopped piano

Detailed description: This musical score page features five staves. The Violin (Vln.) and Violoncello (Vc.) staves are at the top, each with a treble clef and a *pp* dynamic marking. They play sustained notes with a long slur. The Vibraphone (Vib.) staff is in the middle, with a treble clef and a key signature of one sharp (F#). It features a complex rhythmic pattern of sixteenth notes, with dynamics ranging from *p* to *fp*. The Percussion (Perc.) staff is empty. The Etr. (Etr.) staff is at the bottom, with a treble clef and a *ppp* dynamic marking. It plays sustained notes with a long slur, with dynamics changing to *p* and then *mp*. A 'chopped piano' instruction is placed above the Etr. staff, with a slur over a dotted quarter note.

26

Vln.

Vc.

Vib.

Perc.

W. Bl.

Etr.

mp

fp

Detailed description: This is a page of a musical score, page 9, starting at measure 26. The score is arranged in a system with six staves. The top staff is for Violin (Vln.), the second for Violoncello (Vc.), the third for Vibraphone (Vib.), the fourth for Percussion (Perc.), the fifth for Wood Bass (W. Bl.), and the sixth for Etr. (likely Euphonium). The Vln. staff begins with a treble clef and a whole note chord. The Vc. staff begins with a treble clef, has a whole rest, then a double bar line, then a bass clef, a whole rest, and finally a half note chord marked *mp*. The Vib. staff begins with a treble clef and a series of sixteenth-note chords, marked *fp*. The Perc. and W. Bl. staves are empty, with a double bar line at the end of the first measure. The Etr. staff begins with a treble clef and a whole note chord, followed by a half note chord, and then a long note with a slur.

The musical score consists of six staves. The Violin (Vln.) staff begins with a whole note chord, followed by a rest and a *ppp* dynamic marking. The Violoncello (Vc.) staff features a melodic line with dynamics *mf* and *p*. The Vibraphone (Vib.) staff has a complex rhythmic pattern with accents and a sixteenth-note figure. The Percussion (Perc.) and Woodwind (W. Bl.) staves are mostly empty, with a double bar line at the start. The Etr. staff has a melodic line with a *p* dynamic and a sixteenth-note figure.

31

Vln.

Vc.

Vib.

Perc.

W. Bl.

Etr.

mf

p

mf

The musical score for page 11, measures 31-32, is arranged as follows:

- Violin (Vln.):** Measure 31 contains a whole rest. Measure 32 begins with a half rest followed by a quarter rest, then a half note G^b with a dynamic marking of *p*.
- Violoncello (Vc.):** Measure 31 starts with a *mf* dynamic marking. The line contains a series of eighth and quarter notes with slurs and accents, including sharps on F and C. Measure 32 features a long, sweeping slur over the notes, ending with a half note G^b and a dynamic marking of *mf*.
- Vibraphone (Vib.):** Measure 31 consists of continuous sixteenth-note patterns. Measure 32 continues with similar patterns, including triplets marked with a '3'.
- Percussion (Perc.):** Measure 31 has a single vertical bar line. Measure 32 is empty.
- Wood Bass (W. Bl.):** Measure 31 has a single vertical bar line. Measure 32 is empty.
- Etr. (Etr.):** Measure 31 has a treble clef and a half note G^b with a dynamic marking of *p*. Measure 32 has a bass clef and is empty.

33

Vln. *mf* *f*

Vc. *f*

Vib. *f* *p*

Perc.

W. Bl.

Etr. 33

Detailed description: This page of a musical score covers measures 33 to 36. It features six staves: Violin (Vln.), Violoncello (Vc.), Vibraphone (Vib.), Percussion (Perc.), Wood Bass (W. Bl.), and Etr. (likely Euphonium or Trombone). The Violin part begins with a melodic line starting on G4, moving through A4, B4, and C5, with dynamics *mf* and *f*. The Violoncello part provides a harmonic accompaniment, starting on E3 and moving through F3, G3, and A3, with a dynamic of *f*. The Vibraphone part has a few notes in measure 33, rests in measures 34-35, and a short melodic phrase in measure 36, with dynamics *f* and *p*. The Percussion, Wood Bass, and Etr. parts are mostly silent, with some rests and a few notes in the Etr. part in measure 33.

37

Vln. *mp* *mf*

Vc. *fp* *mf* *p*

Vib. *mp* *f* *p* *mf*

Perc. 37

W. Bl. 37

Etr. 37

Detailed description: This page of a musical score, numbered 13, contains six staves. The Violin (Vln.) staff begins at measure 37 with a mezzo-piano (*mp*) dynamic, playing a melodic line with a long slur that extends across the first two measures and then continues with a mezzo-forte (*mf*) dynamic. The Viola (Vc.) staff starts with a fortissimo-piano (*fp*) dynamic, playing a rhythmic accompaniment of eighth notes, then shifts to mezzo-forte (*mf*) and finally piano (*p*) dynamics. The Vibraphone (Vib.) staff features a complex rhythmic pattern of sixteenth notes, starting at a mezzo-piano (*mp*) dynamic, reaching a fortissimo (*f*) dynamic with an accent (>) in the second measure, and then fluctuating between piano (*p*) and mezzo-forte (*mf*) dynamics. The Percussion (Perc.) and Woodwind (W. Bl.) staves are marked with a double bar line and the number 37, indicating they are silent for this section. The Trumpet (Etr.) staff also begins at measure 37 with a double bar line and the number 37, and ends with a treble clef at the final measure.

40

Vln. *fp* *mf*

Vc. *pizz.* *f* *p* *arco* *fp* *mf*

Vib. *p* *f* *p* *f*

Perc.

W. Bl.

Etr. *ppp* *mp* *f*

shak

3 5 3 3 6 6

tr #e

3/4 4/4 4/4

Detailed description: This page of a musical score covers measures 40, 41, and 42. The Violin (Vln.) part starts in treble clef with a melodic line, featuring a trill on E4 at the beginning of measure 41. The Viola (Vc.) part is in bass clef, playing a rhythmic accompaniment with pizzicato in measure 40 and arco in measure 41. The Vibraphone (Vib.) part is in treble clef, playing a complex rhythmic pattern with sixteenth notes. The Percussion (Perc.) and Wood Bass (W. Bl.) parts are shown as empty staves with their respective time signatures (3/4 and 4/4). The Etr. part is in treble clef and features a sustained chord that changes dynamics from ppp to mp to f across the measures. The score includes various musical notations such as slurs, accents, and dynamic markings.

43

Vln.

Vc.

Vib.
1 Player
w/soft mallets

Perc.

W. Bl.

Etr.

mf *sub. p* *mf* *p* bowed

pp *mp* *mf* shak

mp *f* *mp* *mf* *p* *f* *mp*

3/4 4/4 5/4

Detailed description: This page of a musical score covers measures 43 to 55. It features six staves: Violin (Vln.), Viola (Vc.), Vibraphone (Vib.), Percussion (Perc.), Woodwind (W. Bl.), and Etr. (likely Eb Trombone). The Vibraphone part is played by one player using soft mallets. The score includes various dynamics such as *mf*, *sub. p*, *mf*, *p*, *pp*, *mp*, and *f*. The Vibraphone and Etr. parts have specific articulations like 'bowed' and 'shak'. The time signature changes from 3/4 to 4/4 to 5/4. The Percussion part is mostly silent, indicated by double bar lines.

47

Vln. *mp* *f* *p* 3 3

Vc. pizz. 3 3 5

Crt. struck raise pitch w/ superballet mallet

Vib. *mf* *p* *mf* *p* *mf*

Perc.

W. Bl. *mf* *p* *mf* *p* *p* *mf* *p*

Etr. *pp*

Detailed description: This page of a musical score, numbered 16, contains seven staves. The Vln. staff begins at measure 47 with a melodic line that transitions from 2/4 to 4/4 time. It features dynamics of *mp*, *f*, and *p*, with trills marked with '3'. The Vc. staff also starts at measure 47, playing a pizzicato line with trills marked '3' and '5'. The Crt. staff has a text instruction: 'struck raise pitch w/ superballet mallet'. The Vib. staff begins at measure 47 with a melodic line and dynamics of *mf*, *p*, *mf*, *p*, and *mf*. The Perc. staff is empty. The W. Bl. staff starts at measure 47 with a melodic line and dynamics of *mf*, *p*, *mf*, *p*, *p*, *mf*, and *p*. The Etr. staff begins at measure 47 with a melodic line and a dynamic of *pp*.

The image displays a musical score for measures 52 through 55. The score is arranged in six staves: Violin (Vln.), Violoncello (Vc.), Viola (Vib.), Percussion (Perc.), Woodwind Bass (W. Bl.), and Trumpet (Etr.).

- Vln.:** Starts with a whole rest in measure 52. In measure 53, it plays a half note D² (marked with a circled 'D'), followed by a series of eighth notes: D², E², F², G², A², B², C³, B², A², G², F², E². Dynamics range from *mp* to *f*. A slur covers measures 53-55.
- Vc.:** Features a 5-measure quintuplet in measure 52, followed by a 3-measure triplet in measure 53. Measure 54 is marked *p* and *arco*. Measure 55 has a triplet of eighth notes. Dynamics include *p*, *fp*, and *mp*.
- Vib.:** Labeled "bowed". Measures 52-53 are marked *p* and *mf*. Measures 54-55 are marked *p* and *mf*. Dynamics are indicated by hairpins.
- Perc., W. Bl., Etr.:** All three staves are empty throughout the measures, with a double bar line at the end of each staff.

56

Vln.

Vc.

Crt.

Vib.

Perc.

W. Bl.

Etr.

very slow gliss.

fp

ppp

ppp

pp

p

p

mp

f

play notes aleatorically
in no particular order

ppp

sul tasto

p

E A Little Slower (♩ = c. 72)
sul tasto

Vln. *pp* *poco cresc.* *p* *mp*
Vc. *poco cresc.* *p*

Crt.
Vib. *pp* *p*

Perc.
W. Bl.

Etr.

20

Vln. *mf* *f* *mf*

Vc. *mp* *f* *mf*

Crt. *mp* *mf*

Vib. *mp* *mf* *p*

Perc. *mf*

W. Bl. *mf*

Etr. hybrid inst. n. *mf*

F Meditatively, without hurry
(port.=.)

The musical score is arranged in seven staves. The first two staves are for Violin (Vln.) and Viola (Vc.), both in treble clef. The third staff is for Cello (Crt.) in treble clef. The fourth staff is for Vibraphone (Vib.) in treble clef. The fifth and sixth staves are for Percussion (Perc.) and Wood Bass (W. Bl.), both in bass clef. The seventh staff is for Etr. (Etr.) in bass clef. The score begins at measure 73. The Vln. and Vc. parts feature melodic lines with dynamic markings of *mp*, *p*, *mf*, and *mp*. The Crt. part has dynamics of *pp* and *mp*. The Vib. part has dynamics of *f*, *p*, *mf*, *p*, and *mf*, with a *molto espress.* marking and triplet figures. The Perc. and W. Bl. parts show time signature changes from 2/4 to 4/4 to 5/4 to 6/4 to 4/4. The Etr. part includes a *shak* marking and dynamics of *mf*, *ppp*, and *mf*.

81

Vln.

Vc.

Crt.

Vib.

Perc.

W. Bl.

Etr.

p < *mf* < *f*

p < *mf* < *f*

p

89

Vln.

Vc.

Crt.

Vib.

Perc.

W. Bl.

Etr.

pp *f* *fp* *f* *mp*

pp *f* *fp* *f* *mp*

p *mf* *p* *p* *mf* *pp*

f *pp* *p* *f* *pp*

shak

bass drum

mp

pizz.

Detailed description of the musical score: The score is for measures 89-92. It features seven staves: Violin (Vln.), Viola (Vc.), Clarinet (Crt.), Vibraphone (Vib.), Percussion (Perc.), Woodwind (W. Bl.), and Trumpet (Etr.).
 - Vln. and Vc.: Both parts play a melodic line with dynamics *pp*, *f*, *fp*, *f*, and *mp*.
 - Crt.: Plays a rhythmic pattern with dynamics *p*, *mf*, *p*, *p*, *mf*, and *pp*.
 - Vib.: Remains silent throughout.
 - Perc.: Features a bass drum hit in measure 92 with dynamics *mp*.
 - W. Bl.: Plays a melodic line with dynamics *f*, *pp*, *p*, *f*, and *pp*.
 - Etr.: Plays a melodic line with a 'shak' marking in measure 89.

freely, does not have
to match other instruments.

95

Vln. arco 3 *mf* < *fp* < *f* *fp* *mf* < *ff*

Vc. arco 3 *mf* < *fp* < *f* *fp* *mf* < *ff*

Vib. bowed *mp* < *f* *mf* < *f*

Perc. 95 *mf*

W. Bl. *mf*

Etr. 95 manip. shak *p* < *f* < *f*

Start slow, accel. _____ molto accel. _____ molto rit. _____

102

Vln.

Vc.

freely, does not have to match other instruments.

102

Perc.

The image shows a musical score for three instruments: Violin (Vln.), Viola (Vc.), and Percussion (Perc.). The score is divided into three measures. The first measure is marked with a tempo instruction 'Start slow, accel.' and a measure number '102'. The second measure is marked with 'molto accel.' and the third with 'molto rit.'. The Violin and Viola parts feature a complex rhythmic pattern of eighth notes with slurs and accents. The Percussion part shows a 4/4 time signature and a double bar line at the beginning of the measure. A note in the Viola part is annotated with the text 'freely, does not have to match other instruments.'

a tempo **rit.** G **a tempo**

106 *sul pont.* *move to ord.* *ord.* *sul tasto*

Vln. *pp* *p* *mf* *mp* *f* *pp* *ppp*

Vc. *sul pont.* *move to ord.* *ord.* *sul tasto*

pp *p* *mf* *mp* *f* *pp* *ppp*

Crt. 106

Vib. *struck*
raise pitch w/
superball mallet

mp

Perc. 106

Etr. 106 *Sparse electronic aleatory*

112

Crt.

Vib.

Perc.

Etr.

H Freely, does not have to be in time, as long as events occur in correct order

112

Vln.

Vc.

Crt.

Vib.

Perc.

arco

In Time

pizz.

mp *mf* *p* *mf* *p* *mf* *f* *p*

pizz.

pp *mf* *p* *mf* *p* *mf* *mp* *p*

bowed

p *mf* *p* *mf* *mp* *f*

choke

arco

p

Sweetly (♩ = c. 72)

I Like a Slow Dance (♩ = c. 60)

The musical score is arranged in five staves. The Violin (Vln.) and Viola (Vc.) parts are in the top two staves, both marked *sul tasto*. The Clarinet (Crt.) part is in the third staff, marked *choke*. The Vibraphone (Vib.) part is in the fourth staff. The Percussion (Perc.) part is in the bottom staff, marked with a double bar line. The score is divided into two sections: 'Sweetly' (♩ = c. 72) and 'Like a Slow Dance' (♩ = c. 60). The 'Sweetly' section starts at measure 125 and ends at measure 134. The 'Like a Slow Dance' section starts at measure 135 and ends at measure 144. The tempo is marked 'no vib.' for both sections. The dynamics are marked *p*, *mp*, *mf*, and *ppp*. The time signatures are 5/4, 6/4, 3/4, 4/4, 2/4, and 4/4.

Vln. *sul tasto* *p* *mp* *mf* *p* *ppp* no vib.

Vc. *sul tasto* *p* *mp* *mf* *p* *ppp* no vib.

Crt. *choke* *mf* *mp*

Vib. *mp*

Perc. 125

134 (3+3+2)

Vln. *p* \curvearrowright *f*

Vc. *p* \curvearrowright *f*

Perc. 134

143 (3+3+2) J

Vln. *mf* *p* *mp* *fp*

Vc. *mf* *p* *mp* *fp*

Vib. *p*

Perc. 143

ad lib around strings,
begin sparsely and quietly,
become more frenetic by end of piece

snare w/brushes

pp \curvearrowright *mf* \curvearrowright *pp*

K

rit. _____ a tempo

151

Vln. *pp* *mf* vib.

Vc. *pp* *mf* vib.

Vib. bowed

Perc. 151 _____ continue improvising, slowly rise above mf

Etr. 151 *mp* manip. shak

162

Vln. *p* *f*

Vc. *p* *f*

Vib. struck
p *mf* *p* *mf* *p* *f* *p* *f*

162

Perc. swirl brushes like jazz drummer,
 get faster as you get louder,
 feel free to aleatorically add accents here and there
p *mf*

Etr. harsh noise
ppp

168

Vln. *mf* *f* *fp* *mf* *ff*

Vc. *mf* *f* *fp* *mf* *ff*

Vib. *fp* *f* *f* *ppp*

Perc. *f*

Etr. *mf* *f*

168

168

Detailed description: This page of a musical score covers measures 168 to 173. It features five staves: Violin (Vln.), Viola (Vc.), Vibraphone (Vib.), Percussion (Perc.), and Etr. The Vln. and Vc. parts are in 4/4 time and feature a melodic line with dynamic markings of *mf*, *f*, *fp*, *mf*, and *ff*. The Vib. part has a rhythmic pattern of eighth notes, with dynamics *fp*, *f*, and *f*, and a *ppp* marking. The Perc. part has a single *f* dynamic marking. The Etr. part has a melodic line with dynamics *mf* and *f*. A 'Ped.' line is present under the Vib. staff.