

Invisible Cities (i):

ZAIRA

for Ensemble Mosaik

Josiah Wolf Oberholtzer (1984)

2

4

8

8

4

3

3

Fl.

Ob.

Cl. in B-flat

Metals

brush

Drums

mf

mp

mf

pp

p

fp

prepared

9.8

fp

pp

p

mf

3.2

f

p

prepared

6.5

fp

7.6

ppp

prepared

5.4

fp

ppp

p

mf

flautando

7.6

fp

ppp

p

mf

flautando

9.8

fp

ppp

p

mf

flautando

7.6

fp

ppp

p

mf

Vn.

Va.

Vc.

Fl. *click*

Ob. *slap*

Cl. in B-flat *slap*

Metals *mp*

Woods

Drums *brush*

Pf. *f*

Vn. *pp*

Va. *flautando*

Vc. *p*

B *shaker*

Cl. in B-flat *fp*

Woods *p*

Drums *fff*

Pf. *6.5* *7.6* *ppp*

Vn. *11:10*

Va. *13:12*

Vc. *p*

Cl. in B-flat *prepared* *fp*

Woods *fff*

Drums *4.3* *3.2* *f*

Pf. *guero* *slow*

Vn. *9.8* *flautando* *fp* *ppp*

Va. *9.8* *flautando* *p*

Vc. *5.4* *flautando* *fp* *pp*

Cl. in B-flat *shaker* *p*

Woods *p*

Drums *3.2t*

Pf. *guero* *slow*

Vn. *overpressure* *5.4*

Va. *4.3* *flautando*

Vc. *fp*

This figure displays a single page from a complex musical score, likely for a chamber ensemble or orchestra. The page contains ten staves, each representing a different instrument or section. The instruments include Flute (Fl.), Oboe (Ob.), Clarinet in B-flat (Cl. in B-flat), Woods (Woods), Drums (Drums), Piano (Pf.), Bass (Bass), Violin (Vn.), Cello (Va.), and Double Bass (Vc.). The score is divided into measures, with measure numbers 1 through 10 visible at the beginning of each staff. Each measure contains various musical elements such as notes, rests, and specific performance instructions. These instructions include dynamic markings like *p* (pianissimo), *mf* (mezzo-forte), *f* (fortissimo), and *ff* (fortississimo); rhythmic markings like *tr* (trill), *tr~~~~~* (trill with grace notes), and *tr~~~~~(b)* (trill with grace notes and a bass note); and special effects like *slap*, *shaker*, *brush*, *guero*, *flautando*, *overpressure*, and *col legno*. The music also features various time signatures and key changes throughout the measures.

Musical score for orchestra and piano, page 15, measures 1-10. The score includes parts for Flute, Oboe, Clarinet in B-flat, Metals, Woods, Piano (Pf.), Double Bass (D), and Cello (C). The score features complex rhythmic patterns, dynamic markings like *fp*, *p*, *ff*, and *fff*, and performance instructions such as *prepared*, *flautando*, and *trill*. Measures 1-10 show a variety of musical textures, from sustained notes and sustained chords to rapid sixteenth-note patterns and sustained eighth-note patterns.

63

♪ = 72

68

۳

۱۸۵

5
16

4

5
16

3

۳

4

This figure shows a page from a musical score for orchestra and band, spanning measures 11 through 16. The score is organized into eight staves, each representing a different instrument or group of instruments. The instruments include Flute (Fl.), Oboe (Ob.), Clarinet in B-flat (Cl. in B-flat), Metals, Drums, Piano (Pf.), Violin (Vn.), Bassoon (Va.), and Cello (Vc.). The music features a variety of rhythmic patterns and performance techniques, indicated by markings such as 'click', 'slap', 'brush', 'guero', 'overpressure', and dynamic levels from 'fff' to 'p'. Measure 11 begins with a 'click' on the flute, followed by 'ram' and 'slap' on the oboe. Measures 12 and 13 continue with 'click', 'slap', and 'brush' on various instruments. Measure 14 introduces 'overpressure' on the bassoon. Measures 15 and 16 conclude with 'click', 'slap', and 'brush' patterns.

This musical score page contains four staves of music for orchestra and percussion, spanning measures 38 through 41. The score includes parts for Flute (Fl.), Oboe (Ob.), Clarinet in B-flat (Cl. in B-flat), Metals, Drums, Piano (Pf.), Violin (Vn.), Bassoon (Va.), and Cello (Vc.). The music features complex rhythmic patterns, dynamic markings like *mf*, *mp*, *f*, *ff*, and *pp*, and various performance techniques indicated by boxes such as *ram*, *click*, *slap*, *brush*, *prepared*, *guero*, and *overpressure*. Measure 38 begins with a flute part featuring *ram* and *click* techniques. Measures 39 and 40 show a variety of woodwind and metallophone patterns with dynamic changes and performance instructions like *slap* and *brush*. Measure 41 concludes with a piano section using prepared techniques and guero patterns, followed by a cello section with *overpressure* markings.

Fl. *p* *fp* *tr*
 Ob. *p* *f* *ff* *slap*
 Cl. in B-flat *slap*
 Metals *brush*
 Drums *ff* *mf* *brush*
 Pf. *mp* *fp* *ppp* *fast*
 Vn.
 Va. *mf* *mp*
 Vc. *mf* *fp*

Fl. *p* *ram* *click* *5:4*
 Ob. *slap* *7:6*
 Cl. in B-flat *slap* *7:6* *5:4*
 Metals *brush*
 Drums *5:4* *brush* *7:5* *brush*
 Pf. *prepared* *6:5* *4:3* *ppp* *prepared* *5:4* *ff* *9:8*
 Vn.
 Va. *p* *fp* *overpressure* *5:4* *overpressure* *5:4*
 Vc. *fp* *p* *fp*

This figure displays a single page from a complex musical score, likely for a chamber ensemble or orchestra. The page is filled with six staves, each representing a different instrument or group of instruments. The instruments include Flute (Fl.), Oboe (Ob.), Clarinet in B-flat (Cl. in B-flat), Metals, Drums, Piano (Pf.), Violin (Vn.), Viola (Va.), and Cello (Vc.).

The score is characterized by its dense and varied notation, featuring a mix of standard musical symbols and unique performance instructions. These instructions include:

- Click**: Indicated by a small box containing the word "click".
- ram**: Indicated by a small box containing the word "ram".
- slap**: Indicated by a small box containing the word "slap".
- brush**: Indicated by a small box containing the word "brush".
- guero**: Indicated by a small box containing the word "guero".
- prepared**: Indicated by a small box containing the word "prepared".
- overpressure**: Indicated by a small box containing the word "overpressure".
- shaker**: Indicated by a small box containing the word "shaker".

Dynamic markings are also present throughout the score, including **ff** (fortissimo), **f** (forte), **mp** (mezzo-forte), and **mf** (mezzo-forte). The music is organized into measures, which are separated by vertical bar lines. Some measures span multiple staves, indicated by horizontal bar lines above the notes.

Fl. *shaker* *p*

Ob. *slap* *r3:2* *p* *mp* *5:4*

Cl. in B-flat *shaker* *p* *slap* *mf*

Metals *superball* *brush* *superball* *brush* *superball* *brush*

Drums *superball* *brush*

Pf. *p* *mf* *fp* *pp* *p* *f* *p* *7:6* *fp* *p* *7:6* *mf*

Vn. *shaker* *p*

Va. *shaker* *p*

Vc. *overpressure* *5:4*

click *7:5* *mp* *shaker* *p*

Fl. *fp* *p*

Ob. *f > p* *p* *p* *f mp* *slap* *p* *mf* *ff* *mp* *p* *slap* *p* *fp* *p*

Cl. in B-flat *fp* *p* *fp* *p*

Metals *f | p* *p* *ppp p* *f* *p* *mf* *fp* *fp* *superball* *brush* *superball*

Drums *mf* *p* *ppp p* *f > p* *fp* *ppp p* *superball* *brush* *mf* *p* *mf* *fp = pp*

Pt. *mf* *fp* *p* *ppp* *p* *ppp* *p* *mf* *fp* *p*

O: *f = 7.6 p*

Vn. *overpressure* *r3:2* *mp* *p* *shaker* *p* *shaker* *p* *overpressure* *r3:2* *mf* *p* *shaker* *p*

Va. *p* *p* *shaker* *p* *shaker* *p* *overpressure* *r3:2* *mf* *p* *shaker* *p*

Vc. *p* *p < f* *col legno* *p* *ff* *p* *overpressure* *r3:2* *mp* *p*

Fl. *shaker* $\frac{4}{4}$

Ob. $\frac{5}{16}$ $\frac{3}{8}$ *ff*

Cl. in B-flat *shaker* $\frac{5}{8}$ *slap* $\frac{4}{4}$ *click* $\frac{5}{3}$ *shaker* $\frac{5}{16}$ *shaker* $\frac{5}{8}$ *click* $\frac{7.5}{6.5}$

Metals *brush* *superball* $\frac{4}{4}$ *brush* *superball* $\frac{4}{4}$

Drums *brush* *superball* $\frac{4}{4}$ *brush* *superball* $\frac{4}{4}$

Pf. $\frac{4}{4}$ *fp* *pp* $\frac{4}{4}$ *fp* *pp* $\frac{4}{4}$ *fp* *pp*

Vn. *shaker* $\frac{4}{4}$ *overpressure* $\frac{3.2}{5.4}$ *shaker* *shaker* *overpressure* $\frac{3.2}{5.4}$

Va. *shaker* $\frac{4}{4}$ *overpressure* $\frac{4.5}{5.4}$ *col legno* $\frac{4.5}{5.4}$

Vc. $\frac{4}{4}$ *fp* *p* $\frac{4}{4}$ *f* *mf*

139

$\text{♩} = 96$

5
16

44

24

38

1

5
16

3

This page of the musical score contains six systems of music for various instruments. The instruments listed on the left are Flute (Fl.), Oboe (Ob.), Clarinet in B-flat (Cl. in B-flat), Metals, Drums, Piano (Pf.), Double Bass (D.Bass), Violin (Vn.), Viola (Va.), and Cello (Vc.).

The score includes several performance instructions and dynamic markings:

- Flute (Fl.):** Dynamics include p , fp , f , and tr .
- Oboe (Ob.):** Dynamics include p , fp , and b .
- Clarinet in B-flat (Cl. in B-flat):** Dynamics include p , fp , and b .
- Metals:** Dynamics include fff , ff , and ppp . Includes performance instruction "overpressure".
- Drums:** Dynamics include fff , p , f , $4:3$, $5:4$, mf , f , $3:2$, $4:3$, $3:2$, $4:3$, and f .
- Piano (Pf.):** Dynamics include mf , fff , p , fp , $7:6$, ppp , p , fp , p , $7:6$, fp , and p .
- Double Bass (D.Bass):** Dynamics include mp , $3:2$, p , fp , fff , $overpressure$, $col legno$, $4:5$, f , fp , p , and fp .
- Violin (Vn.):** Dynamics include p , fp , fff , tr , p , fp , p , fp , and p .
- Viola (Va.):** Dynamics include mp , $3:2$, p , fp , fff , tr , p , fp , p , and fp .
- Cello (Vc.):** Dynamics include p , fp , fff , tr , $overpressure$, $col legno$, $4:5$, f , fp , p , and fp .

4 3 2 5 3 4 5 5 16 2

Fl. *fp*
Ob. *p* *fp*
Cl. in B-flat *p* *fp* *ppp*

Metals *ppp*

Drums *p* *f* *7.6* *ff* *p* *5.4* *f* *fff* *mf* *7.5* *mf* *ff* *f* *9.8* *p* *f* *fff* *p* *5.4*

Pt. *p* *6.5* *mf* *fp* *pp* *p* *7.6* *6.5* *fp* *p* *mf* *fp* *p* *fp* *p* *fp*

Vn. *fff* *overpressure* *fff* *fp* *p* *fp* *fff* *overpressure* *fff* *fp* *p* *fp* *p*

Va. *fff* *overpressure* *fp* *p* *fp* *fff* *overpressure* *fp* *p* *fp* *p*

Vc. *p* *fp* *fff* *fp* *col legno* *f* *p* *fp* *fff* *overpressure* *fp* *p* *f* *p*

160

d = 72

Fl.

Ob.

Cl. in B-flat

Metals

Woods

Drums

Pf.

Vn.

Va.

Vc.

shaker

slap

brush

guero
slow

slow
guero

prepared

overpressure

flautando

flautando

Fl. *shaker* *p*

Ob. *slap* *mp*

Cl. in B-flat *p*

Woods *6:5* *mp* *mf* *mp*

Drums *brush* *mp*

Pf. *prepared* *p* *fp* *prepared* *tr* *guero* *mp* *fast* *guero* *slow* *guero* *f* *p* *ff* *p* *prepared* *tr* *guero* *slow* *guero* *f* *p* *ff* *p* *prepared* *tr* *guero* *fast* *guero* *slow* *guero* *f* *p*

Vn. *shaker* *p*

Va. *flautando* *fp* *ppp* *5:4*

Vc. *tr* *p* *overpressure* *fff* *tr* *p* *overpressure* *fff* *tr* *p* *flautando* *fp* *7:6* *ppp* *tr* *p* *overpressure* *fff* *tr* *p* *flautando* *fp* *pp* *tr* *p* *shaker*

Fl. *shaker* p

Ob.

Cl. in B-flat *shaker* p

Metals *superball* fff p mf

Woods mf

Drums fff

Pf. fff p mf

Vn. *shaker* p

Va. *shaker* p

Vc. *col legno* p ff mf

Musical score for orchestra and piano, page 16, measures 5-8.

Flute: shaker, p, fp

Oboe: shaker, fp

Clarinet in B-flat: shaker, p, mf

Metals: brush, superball, p, fp, ppp, p, mfp

Woods: r3:2, mp, 5:4, mp

Drums: brush, superball, p

Piano: p, ppp, p, mf, ppp, fp, pp, p

Cello: p, p, p, p, p, p, p, p

Violin: shaker, p

Bassoon: shaker, p, overpressure, mp, 6:5, mf

Double Bass: shaker, 3:2, col legno, mf, f, overpressure, 5:4, ff

This figure shows a single page from a complex musical score, likely for a chamber ensemble or orchestra. The page is filled with multiple staves, each representing a different instrument or group of instruments. The instruments listed on the left side of the page are Flute (Fl.), Oboe (Ob.), Clarinet in B-flat (Cl. in B-flat), Metals, Woods, Drums, Piano (Pf.), Oboe (Oboe), Violin (Vn.), Cello (Cello), and Bassoon (Bassoon). The music is divided into several sections by measure numbers (3, 4, 8, 4, 3, 4) and time signatures (3/4, 4/4, 8/8, 4/4, 3/4, 2/4). The score includes numerous dynamic markings such as *p*, *f*, *ff*, *mf*, *mp*, and *pp*. It also features specific performance instructions like "shaker", "superball", "overpressure", "col legno", and "prepared". The piano part, for example, has several instances of "prepared" with specific preparation techniques indicated by symbols like triangles and dots. The bassoon part includes "overpressure" markings with 6:5 and 5:3 ratios. The overall complexity of the score suggests it is designed for a highly skilled ensemble.

3

2

3

2

3

K

♩ = 96

Musical score page 209, measures 3 through K. The score includes parts for Flute (Fl.), Oboe (Ob.), Clarinet in B-flat (Cl. in B-flat), Metals, Drums, Piano (Pf.), and Bassoon/Violoncello (Vn., Va., Vc.). The score features various performance techniques such as grace notes, slurs, dynamics (e.g., *mf*, *ppp*, *fp*, *fff*, *prepared*), and dynamic markings like *4:5*. Measure 3 starts with grace notes on Flute and Ob. Measure 4 begins with a dynamic *ppp* on Metals. Measure 5 has a dynamic *fp* on Metals. Measure 6 starts with a dynamic *pp* on Metals. Measures 7-8 show a dynamic *fff* on Drums. Measure 9 shows a dynamic *fff* on Pf. Measure 10 starts with a dynamic *fp* on Pf. Measure 11 starts with a dynamic *p* on Pf. Measure 12 starts with a dynamic *mf* on Pf. Measure 13 starts with a dynamic *fff* on Pf. Measure 14 starts with a dynamic *fff* on Pf. Measure 15 starts with a dynamic *fp* on Pf. Measure 16 starts with a dynamic *p* on Pf. Measure 17 starts with a dynamic *mf* on Pf. Measure 18 starts with a dynamic *fff* on Pf. Measure 19 starts with a dynamic *fff* on Pf. Measure 20 starts with a dynamic *fff* on Pf. Measure 21 starts with a dynamic *fff* on Pf. Measure 22 starts with a dynamic *fff* on Pf. Measure 23 starts with a dynamic *fff* on Pf. Measure 24 starts with a dynamic *fff* on Pf. Measure 25 starts with a dynamic *fff* on Pf. Measure 26 starts with a dynamic *fff* on Pf. Measure 27 starts with a dynamic *fff* on Pf. Measure 28 starts with a dynamic *fff* on Pf. Measure 29 starts with a dynamic *fff* on Pf. Measure 30 starts with a dynamic *fff* on Pf. Measure 31 starts with a dynamic *fff* on Pf. Measure 32 starts with a dynamic *fff* on Pf. Measure 33 starts with a dynamic *fff* on Pf. Measure 34 starts with a dynamic *fff* on Pf. Measure 35 starts with a dynamic *fff* on Pf. Measure 36 starts with a dynamic *fff* on Pf. Measure 37 starts with a dynamic *fff* on Pf. Measure 38 starts with a dynamic *fff* on Pf. Measure 39 starts with a dynamic *fff* on Pf. Measure 40 starts with a dynamic *fff* on Pf. Measure 41 starts with a dynamic *fff* on Pf. Measure 42 starts with a dynamic *fff* on Pf. Measure 43 starts with a dynamic *fff* on Pf. Measure 44 starts with a dynamic *fff* on Pf. Measure 45 starts with a dynamic *fff* on Pf. Measure 46 starts with a dynamic *fff* on Pf. Measure 47 starts with a dynamic *fff* on Pf. Measure 48 starts with a dynamic *fff* on Pf. Measure 49 starts with a dynamic *fff* on Pf. Measure 50 starts with a dynamic *fff* on Pf. Measure 51 starts with a dynamic *fff* on Pf. Measure 52 starts with a dynamic *fff* on Pf. Measure 53 starts with a dynamic *fff* on Pf. Measure 54 starts with a dynamic *fff* on Pf. Measure 55 starts with a dynamic *fff* on Pf. Measure 56 starts with a dynamic *fff* on Pf. Measure 57 starts with a dynamic *fff* on Pf. Measure 58 starts with a dynamic *fff* on Pf. Measure 59 starts with a dynamic *fff* on Pf. Measure 60 starts with a dynamic *fff* on Pf. Measure 61 starts with a dynamic *fff* on Pf. Measure 62 starts with a dynamic *fff* on Pf. Measure 63 starts with a dynamic *fff* on Pf. Measure 64 starts with a dynamic *fff* on Pf. Measure 65 starts with a dynamic *fff* on Pf. Measure 66 starts with a dynamic *fff* on Pf. Measure 67 starts with a dynamic *fff* on Pf. Measure 68 starts with a dynamic *fff* on Pf. Measure 69 starts with a dynamic *fff* on Pf. Measure 70 starts with a dynamic *fff* on Pf. Measure 71 starts with a dynamic *fff* on Pf. Measure 72 starts with a dynamic *fff* on Pf. Measure 73 starts with a dynamic *fff* on Pf. Measure 74 starts with a dynamic *fff* on Pf. Measure 75 starts with a dynamic *fff* on Pf. Measure 76 starts with a dynamic *fff* on Pf. Measure 77 starts with a dynamic *fff* on Pf. Measure 78 starts with a dynamic *fff* on Pf. Measure 79 starts with a dynamic *fff* on Pf. Measure 80 starts with a dynamic *fff* on Pf. Measure 81 starts with a dynamic *fff* on Pf. Measure 82 starts with a dynamic *fff* on Pf. Measure 83 starts with a dynamic *fff* on Pf. Measure 84 starts with a dynamic *fff* on Pf. Measure 85 starts with a dynamic *fff* on Pf. Measure 86 starts with a dynamic *fff* on Pf. Measure 87 starts with a dynamic *fff* on Pf. Measure 88 starts with a dynamic *fff* on Pf. Measure 89 starts with a dynamic *fff* on Pf. Measure 90 starts with a dynamic *fff* on Pf. Measure 91 starts with a dynamic *fff* on Pf. Measure 92 starts with a dynamic *fff* on Pf. Measure 93 starts with a dynamic *fff* on Pf. Measure 94 starts with a dynamic *fff* on Pf. Measure 95 starts with a dynamic *fff* on Pf. Measure 96 starts with a dynamic *fff* on Pf. Measure 97 starts with a dynamic *fff* on Pf. Measure 98 starts with a dynamic *fff* on Pf. Measure 99 starts with a dynamic *fff* on Pf.

Musical score page 223 featuring eight staves. From top to bottom:

- Fl.**: Treble clef, no key signature.
- Ob.**: Treble clef, no key signature.
- Cl. in B-flat**: Treble clef, no key signature.
- Metals**: A single staff showing a continuous series of eighth-note strokes on a single line, indicating a rhythmic pattern.
- Pf.**: Treble clef, no key signature.
- Vn.**: Treble clef, no key signature.
- Va.**: Bass clef, one sharp key signature.
- Vc.**: Bass clef, one sharp key signature.

All staves are aligned by vertical bar lines, and each staff concludes with a thick vertical bar line at the end of the measure.