

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

mp

prepared

fp

pp

9.8

mf

fp

p

prepared

5:4

fp

pp

p

prepared

fp

7.6

ppp

flautando

Vn.

Va.

Vc.

flautando

fp

pp

flautando

fp

7.6

mf

flautando

fp

9.8

fp

ppp

flautando

fp

7.6

ppp

flautando

fp

ppp

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 image shows a single page from a complex musical score. The page features six staves of music, each with a unique set of dynamics and performance instructions. The instruments include Flute, Oboe, Clarinet in B-flat, Woodblock, Drums, Piano, Bass, Violin, Cello, and Double Bass. The score is filled with various dynamic markings such as *p*, *mf*, *f*, and *ff*, as well as specific performance instructions like "slap", "brush", "guero", "flautando", "shaker", "overpressure", and "col legno". Time signatures are indicated above certain measures, such as 5:4, 7:6, 3:2, 4:3, and 5:4. The music is divided into measures by vertical bar lines.

41

Fl. *p*

Ob. *p* *slap* *mp*

Cl. in B-flat *p*

Metals

Woods *mp* *mf* *f* *ff* *6.5*

Drums *f*

Pf. *p* *f* *fp* *ppp* *3.2* *slow* *guero* *ff* *fb* *5.4* *p* *ppp* *3.2* *fast* *guero* *ff* *fb* *5.4* *p* *ppp* *3.2* *slow* *guero* *ff* *fb* *5.4* *p* *ppp* *3.2* *prepared* *ff* *fb* *5.4* *p* *ppp* *3.2* *ff* *fb* *5.4* *p*

Vn. *p* *shaker*

Va. *p*

Vc. *mf* *trill* *fp* *flautando* *4.3* *col legno* *f* *p* *shaker* *p* *overpressure* *5.4* *mf*

Metres: **3**, **5**, **3**, **5**, **16**, **C**, **4**, **3**, **5**, **4**

Tempo: $\text{♩} = 84$

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, Double Bass, and Cello. The score features complex rhythmic patterns, dynamic markings like *fp*, *p*, *f*, 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 eighth-note chords.

63

 $\bullet = 72$

6 | D

Fl.

Ob.

Cl. in B-flat

Metals

Drums

Pf.

Vn.

Va.

Vc.

Measures 63-72 of a musical score for orchestra and piano. The score includes parts for Flute, Oboe, Clarinet in B-flat, Metals, Drums, Piano, Violin, Double Bass, and Cello. The music features a variety of rhythmic patterns and performance techniques, often indicated by boxes above the staff. Key markings include 'click', 'ram', 'slap', 'brush', 'guero', 'overpressure', and dynamic levels from 'fff' to 'p'. Time signatures change frequently throughout the section.

Fl.

Ob.

Cl. in B-flat

Metals

Drums

Pf.

Vn.

Va.

Vc.

Flute (Fl.) part: Measures 72-77. The score shows six measures of 3/4 time followed by one measure of 4/4. The Flute part consists of various rhythmic patterns with dynamic markings like *mf*, *mp*, *fp*, and *p*. Specific performance instructions include "ram" (with duration boxes of 6.5, 7.6, 5.4, 3.2, 5.4), "click" (with duration boxes of 7.6, 5.4, 3.2, 3.2, 5.4), and "slap" (with duration boxes of 6.5, 7.6, 5.4, 3.2, 5.4). Measures 78-83 show the Flute continuing with similar patterns and dynamics, including "click" and "slap" instructions.

Ob. (Oboe) part: Measures 72-83. The Oboe part features rhythmic patterns with dynamic markings like *mf*, *mp*, *fp*, and *p*. It includes "click" and "slap" instructions. Measure 84 shows a "brush" instruction.

Cl. in B-flat (Clarinet in B-flat) part: Measures 72-83. The Clarinet part follows a similar pattern to the Flute, with rhythmic patterns and dynamic markings. It includes "click" and "slap" instructions. Measure 84 shows a "brush" instruction.

Metals part: Measures 72-83. The Metals part consists of rhythmic patterns with dynamic markings like *mf*, *ff*, *f*, and *fff*. It includes "brush" instructions. Measure 84 shows a "brush" instruction.

Drums part: Measures 72-83. The Drums part includes "brush" and "overpressure" instructions. Measures 84-85 show "brush" and "overpressure" instructions.

Pf. (Piano) part: Measures 72-83. The Piano part features prepared piano techniques with dynamic markings like *p*, *mf*, *fp*, *pp*, *ppp*, and *ppp*. It includes "prepared" and "guero" (with "slow" and "fast" variants) instructions. Measures 84-85 show "prepared" and "guero" instructions.

Vn. (Violin) part: Measures 72-83. The Violin part includes "overpressure" and "overpressure" (with duration boxes of 4.3, 5.4, 3.2) instructions. Measures 84-85 show "overpressure" and "overpressure" (with duration boxes of 3.2, 5.4, 3.2) instructions.

Va. (Viola) part: Measures 72-83. The Viola part includes "overpressure" and "overpressure" (with duration boxes of 4.3, 5.4, 3.2) instructions. Measures 84-85 show "overpressure" and "overpressure" (with duration boxes of 3.2, 5.4, 3.2) instructions.

Vc. (Cello) part: Measures 72-83. The Cello part includes "overpressure" and "overpressure" (with duration boxes of 4.3, 5.4, 3.2) instructions. Measures 84-85 show "overpressure" and "overpressure" (with duration boxes of 3.2, 5.4, 3.2) instructions.

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.

Fl. *p* *ram* *click* *5:4*
 Ob. *p* *mp* *slap* *7:6*
 Cl. in B-flat *p* *mp* *slap* *7:6*
 Metals *6:5*
 Drums *f* *5:4* *brush*
 Pf. *p* *prepared* *13:21* *6:5* *4:3* *ppp* *ff* *9:8*
 Vn.
 Va. *p* *overpressure* *5:4*
 Vc. *5:3* *fp* *overpressure* *5:4*

Fl. *p* *fp* *tr*
 Ob. *p* *mp* *slap* *6:5*
 Cl. in B-flat *p* *fp* *tr* *r3:2*
 Metals *3:2* *f*
 Drums *mp*
 Pf. *fp* *ppp* *7:6* *mf* *ppp* *fp* *ff* *mf* *f*
 Vn.
 Va. *p* *overpressure* *r3:2*
 Vc. *fp* *p* *tr* *fp*

Musical score for orchestra and percussion, page 10, measures 11-16. The score includes parts for Flute (Fl.), Oboe (Ob.), Clarinet in B-flat (Cl. in B-flat), Metals, Drums, Piano (Pf.), Violin (Vn.), Cello (Cello), Bassoon (Bassoon), and Double Bass (Double Bass). The score features complex rhythmic patterns, dynamic markings like *click*, *ram*, *slap*, *brush*, *guero*, *prepared*, *fast*, *overpressure*, and *shaker*, and time signatures such as 5:4, 6:5, 3:2, 7:6, 6:5, 5:3, 5:4, and 3:2.

Fl. *shaker* *p*

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

Cl. in B-flat *shaker* *p* *slap* *mf* *p* *5:4*

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* *p*

Vn. *shaker* *p*

Va. *shaker* *p*

Vc. *overpressure* *5:4* *p* *overpressure* *mp* *overpressure* *f*

Fl. *fp* *p*

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

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

O. *f = p* *7:6*

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

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

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

Fl. *fp* **shaker** *p*

Ob. *mf* *fp* *mf* *trizz* *trizz* *f* *p* *mp* *slap* *r3:2* *p*

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

Metals *brush* *fp* *ppp* *ff* *p* *mf* *fp* *mf* *o*

Drums *superball* *brush* *fp* *p* *mf* *p* *f* *ff* *p* *mf* *ff* *p* *mf* *ff*

Pf. *p* *fp* *ppp* *ff* *p* *mf* *fp* *pp* *p* *mf*

C: *ff*

Vn. *shaker* *p*

Va. *shaker* *p*

Vc. *mf* *trizz* *trizz* *col legno* *f* *p* *f* *4:5* *overpressure* *5:4* *mp* *overpressure* *5:4* *mf* *col legno* *p* *f* *trizz* *trizz* *ff*

Measure 119: 4/4, Flute dynamic *fp*, Oboe dynamics *mf*, *trizz*, *trizz*, Clarinet in B-flat dynamic *shaker*, Metals dynamic *brush*, Drums dynamics *superball*, *brush*, Piano dynamic *p*, Cello dynamic *ff*. **Measure 120:** 3/4, Flute dynamic *p*, Oboe dynamics *trizz*, *trizz*, Clarinet in B-flat dynamic *shaker*, Metals dynamic *ppp*, Drums dynamics *fp*, *p*, *mf*, *ff*, *p*, *mf*, *ff*, Piano dynamic *ppp*, Cello dynamic *ff*. **Measure 121:** 5/16, Flute dynamic *p*, Oboe dynamics *trizz*, *trizz*, Clarinet in B-flat dynamic *shaker*, Metals dynamic *ff*, Drums dynamics *mf*, *ff*, *p*, *mf*, *ff*, Piano dynamic *ff*, Cello dynamic *ff*. **Measure 122:** 2/4 F, Flute dynamic *p*, Oboe dynamics *trizz*, *trizz*, Clarinet in B-flat dynamic *shaker*, Metals dynamic *brush*, Drums dynamics *superball*, *brush*, Piano dynamic *p*, Cello dynamic *ff*. **Measure 123:** 3/4, Flute dynamic *p*, Oboe dynamics *trizz*, *trizz*, Clarinet in B-flat dynamic *shaker*, Metals dynamic *ppp*, Drums dynamics *fp*, *p*, *mf*, *ff*, *p*, *mf*, *ff*, Piano dynamic *ppp*, Cello dynamic *ff*. **Measure 124:** 5/16, Flute dynamic *p*, Oboe dynamics *trizz*, *trizz*, Clarinet in B-flat dynamic *shaker*, Metals dynamic *ff*, Drums dynamics *mf*, *ff*, *p*, *mf*, *ff*, Piano dynamic *ff*, Cello dynamic *ff*.

4 5 3 5 4 5 4 5 3

Fl. shaker p
Ob. p ff
Cl. in B-flat shaker p
Metals brush superball p pp mf
Drums brush superball p mf fp pp
Pf.
Vn. shaker p
Va. shaker p
Vc. p 4.5 col legno f p

click 5.3
slap mp
click 5.4
shaker p fp mf
shaker p
click 7.5 6.5
slap mf
brush superball p pp
overpressure 3.2 mp mf
shaker p
shaker p
overpressure 3.2 mf
overpressure 4.5 f mf

139

J = 96

5
16

44 G

2
4

୩

4

5
16

Musical score for orchestra and ensemble, page 10, measures 11-16. The score includes parts for Flute (Fl.), Oboe (Ob.), Clarinet in B-flat (Cl. in B-flat), Metals, Drums, Piano (Pf.), Double Bass (D), Violin (Vn.), Viola (Va.), and Cello (Vc.). The score features complex rhythmic patterns and dynamic markings such as *fff*, *p*, *f*, *mf*, *mp*, *ppp*, *overpressure*, *col legno*, and various grace notes and slurs.

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

shaker

overpressure

flautando

overpressure

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* *fast* *guero* *mp*

Vn. *shaker* *p*

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

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

198

$\text{J} = 84$

3 4 8 4 3 4 J

Fl. Ob. Cl. in B-flat

Metals Woods Drums

Pf.

Vn. Va. Vc.

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, Ob., and Cl. in B-flat. Measures 4-5 show sustained notes with grace notes above. Measure 6 begins a section for Metals and Drums with dynamic changes. Measure 7 shows a piano part with prepared damping. Measures 8-9 show sustained notes with grace notes above. Measure 10 concludes with a dynamic *fff*.

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.