

Other Terrains

For percussion ensemble and tape

by

Jon Christopher Nelson

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Program Note:

Other Terrains (1998) for percussion ensemble and tape explores a variety of soundscapes. The sonic possibilities of traditional percussion instruments are extended in this work through the use of a barrage of found metallic and glass instruments. In addition, the tape manipulates and transforms sampled percussive events. The tape also includes synthetic timbres that are produced using wave terrain synthesis, in which a three-dimensional function table is scanned using elliptical orbits to create a dynamically changing timbre. *Other Terrains* was composed at CEMI: Center for Experimental Music and Intermedia with the generous assistance of an ICMC 98 commission and a University of North Texas Faculty Research Grant.

Other Terrains is scored for percussion ensemble as follows:

Percussion 1: 2 glass bottles, high hat, 1 suspended cymbal, 5 cowbells (non-pentatonic preferred), chocolo (rain stick), bamboo wind chimes, crotales, marimba, and 4 roto-toms (avoid tuning to a triadic sonority)

Percussion 2: 2 glass bottles, 3 suspended cymbals, 4 frying pans, brake drum, vibraphone, log drums (4 unspecified pitches or E-F-G-B), guiro, lion's roar (string drum), bongos and conga

Percussion 3: 3 triangles, 4 saucepan lids, 2 tam tams, rain stick, whip, 5 temple blocks, tubular bells (chimes), snare drum, 3 tom toms, large bass drum

Percussion 4: 2 glass bottles, 4 saucepans, 2 tam tams, rain stick, wood block, claves, castanets, xylophone, snare drum, 3 timbales, medium bass drum

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Maestoso $\text{♩} = 60$

Misterioso $15''$

play random cymbal rolls grow in intensity to m. 3

Allegretto $\text{♩} = 108$

Giocoso $15''$

H.H. with foot

percussion 1

crotales
brass mallets
5:4
 f

soft felt mallets
 pp f

percussion 2

vibraphone
hard rubber mallets
5:4
 f

soft felt mallets
 pp f

snare sticks
sus. cym. on dome
 p

percussion 3

tam tam
scrape rim with triangle beater
 f

play random tam tam rolls grow in intensity to m. 3
 $5''$
soft felt mallets
 pp f

$25''$

triangle beaters
Tri.
 p

percussion 4

tam tam
scrape rim with triangle beater
 f

play random tam tam rolls grow in intensity to m. 3
 $8''$
soft felt mallets
 pp f

$22''$

saucapans
snare sticks
 p

tape

p ff mf

7

H.H. *snare sticks* *pp* *with foot* *sfz* *mp* *with foot* *f* 4.5" *a tempo*

7

sus. cym. *on dome* 5:4 5:4 *mp*

7

brake drum *brake drum* *butt of stick* *f* 4.5" *butt of stick* *p*

7

Tri. *p* 3 *pp* 4.5"

7

saucepans *mp* 5:4 *f* 4.5" *mp*

7

tape *ff* 4.5" *pp* *mf*

7

13

H.H. $\frac{5}{4}$ f_p mp mf with foot

cowbells $\frac{5}{4}$ p mp pp cowbells 3

sus. cym. $\frac{5}{4}$ on dome 3 3 p pp 3

brake drum $\frac{5}{4}$ sempre butt of stick p f

Tri. $\frac{5}{4}$ (Tri.) p mp

tubular bells $\frac{5}{4}$ tubular bells triangle beaters mp (ped. up) mp mf

saucepans $\frac{5}{4}$ sfz f mp p mp p f_p 3 3 3 5:4

tape $\frac{5}{4}$ $\frac{5}{4}$

18
H.H. with foot *mp* with foot *f* 5/4

18
cowbells *pp* *f* *mp* 5/4

18
crotales *p* *sfz* (ped. up) *mp* *mf* 5/4

18
sus. cym. on dome *p* on dome *p* 5/4

18
brake drum *sfz* *mp* *mf* 5/4

18
vib. *sfz* (ped. up) *mp* *mf* 5/4

18
tam tams, tri. tam tam (triangle beaters) *pp* Tri. *p* tam tam (triangle beaters) *p* 5/4

18
tubular bells *mf* *mf* 5/4

18
tam tams tam tam (snare sticks) *p* 5/4

18
saucepans *mp* *p* *sfz* *mp* *mp* 5/4

18
tape 5/4

24 cowbells *ff mp mf f p mf f p mf f p ff*

24 sus. cym. *mp f mp p pp* ord. on dome

24 brake drum *f ff f mf f mp*

24 tam tam *mf mp p pp ppp*

24 tam tam

24 saucepans *ff mf f mf f mf f mf ff* *6 3 3 3 3* *mp p pp*

24 tape

The musical score is for a percussion ensemble. It consists of seven staves. The top staff is for cowbells, featuring complex rhythmic patterns with triplets and a 5:4 ratio, with dynamics ranging from *ff* to *p*. The second staff is for a suspended cymbal, with notes marked 'ord.' and 'on dome', and dynamics from *mp* to *pp*. The third staff is for a brake drum, with dynamics from *f* to *mp*. The fourth staff is for a tam tam, with dynamics from *mf* to *ppp*. The fifth staff is another tam tam. The sixth staff is for saucepans, with a 6-measure phrase and dynamics from *ff* to *mf*. The seventh staff is for tape, with a treble clef staff showing a sustained sound and a bass clef staff showing a rhythmic pattern.

3 Presto $\text{♩} = 162$
Deciso H.H.

a tempo

30 H.H.

30 cowbells *fp* *ff* *p* *mf* *f* *p* *mf* *f* *p* *mf* *f* *pp*

30 brake drum *fp* *ff* *mf* *f* *mf* *f* *mf*

30 vib. *fp* *ff* *mf* *f* *mf* *f* *mf* **vibraphone**
med. rubber mallets *mf*

30 tubular bells **tubular bells**
bell mallets *p* (ped. up) *mf*

30 tam tam *fp* *mf* *f* *mf* *f* *mf* *f*

30 saucepans **wild improvisation** *fp* *mf* *f* *mf* *f* *mf* *f*

30 tape

Allegretto ♩ = 108

The musical score is arranged in six systems, each representing a different percussion instrument. The first system is for H.H. (Hand Drums), followed by cowbells, vib. (Vibraphone), tubular bells, tam tam, saucepans, and tape. The score is written in a key signature of one flat (B-flat) and a common time signature of 4/4. The tempo is marked 'Allegretto' with a metronome marking of 108. The score is divided into measures, with bar numbers 35, 5, and 9 indicated. The cowbells part features a complex rhythmic pattern with dynamics ranging from *f* to *p* and *mf*. The vib. part includes a section marked '5:4' and 'triangle beaters' with a '3' over it. The tubular bells part also features 'triangle beaters' with a '3' over it. The saucepans part has a '3' over it. The tape part is mostly silent, with a few notes in the upper and lower staves. The score is written in a standard musical notation style with various dynamics and articulations.

40 $\text{♩} = 134$

cowbells *mp* *fff* Calma 7"

vib. *pp* slowly, gently improvise on these notes 7"

tubular bells *pp* slowly, gently improvise on these notes 7"

saucepans *fff* 7"

tape

The musical score consists of five staves. The cowbells staff starts with a tempo of quarter note = 134 and a dynamic of *mp*. It features a complex rhythmic pattern of eighth and sixteenth notes. The vib. staff has a dynamic of *pp* and includes the instruction "slowly, gently improvise on these notes" with a 7-second hold. The tubular bells staff also has a dynamic of *pp* and includes the same instruction with a 7-second hold. The saucepans staff has a dynamic of *fff* and features a complex rhythmic pattern. The tape staff is mostly empty, with a series of 'x' marks on the bottom staff and a 7-second hold.

Allegretto ♩ = 108

Brillante

45 cowbells *mp* *f* *pp* *sfz* *ppp* *ff*

45 brake drum *mf* *mf* *f* *ppp*

45 vib. *f* *ppp*

45 tam tam *f* *mf* *mp*

45 tubular bells *mf* *mp*

45 saucepans *mp* *p* *sfz* *ppp* *f*

45 tape

50

cowbells

3 6

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

frying pans (hard rubber mallets) (brake drum)

50

brake drum

sfz *mf* *sfz* *p*

vib.

50

ff *f* *mf*

3

tubular bells

50

(ped. up) *mf*

saucepans

50

3 6 6

ff *mp* *mf* *f* *ff* *mf*

3 3

tape

50

8^{vb} 8^{vb}

54

cowbells

f *ff* *mf* *mp* *f* *p* *sfz* *f* *p*

frying pans

sfz *f* *5:4* *5:4* *5:4* *5:4* *p*

vib.

mp *p*

54

Tri.

triangle beaters

p

tubular bells

triangle beaters

mf

54

saucepans

f *ff* *p* *sfz* *mp* *f* *p*

tape

54

Detailed description of the musical score: The score is for a percussion ensemble. It consists of seven staves. The 'cowbells' staff features a complex rhythmic pattern with dynamics ranging from *f* to *ff*, *mf*, *mp*, *f*, *p*, *sfz*, and *f*. It includes triplets and accents. The 'frying pans' staff has a rhythmic pattern with dynamics *sfz*, *f*, and *p*, and includes 5:4 polyrhythms. The 'vib.' staff has a melodic line with dynamics *mp* and *p*, and includes a *sed.* (sustained) marking. The 'Tri.' staff has a single note with a *p* dynamic and is labeled 'triangle beaters'. The 'tubular bells' staff has a melodic line with a *mf* dynamic and is also labeled 'triangle beaters'. The 'saucepans' staff has a rhythmic pattern with dynamics *f*, *ff*, *p*, *sfz*, *mp*, *f*, and *p*. The 'tape' staff has a melodic line with a *p* dynamic. The score is numbered 54 at the beginning of each staff.

58 cowbells *f p f pp mf mp*

58 frying pans *f p f pp mf mp*

58 brake drum (brake drum) *f p f pp mf mp*

vib.

58 Tri. triangle beater

58 saucepan lids 1 triangle beater 1 snare stick *pp ff*

58 tubular bells *mf* *tr* *Red.*

58 saucepans *f p f pp mf mp*

58 tape percussive accel. continues to m.64

62 cowbells *p* *ff* *pp* *ff* *pp*

62 frying pans *p* *ff*

62 saucepan lids *mp* *ff* *pp* *ff* *pp*

62 tubular bells

62 saucepans *p* *ff*

62 tape percussive events continue to m. 68

The score consists of six staves. The cowbells staff has a melodic line with dynamics *p*, *ff*, *pp*, *ff*, and *pp*. The frying pans staff features a rhythmic pattern of eighth notes with triplets, starting at *p* and reaching *ff*. The saucepan lids staff shows a rhythmic pattern with dynamics *mp*, *ff*, *pp*, *ff*, and *pp*. The tubular bells staff has a wavy line at the beginning and rests thereafter. The saucepans staff has a rhythmic pattern with dynamics *p* and *ff*. The tape staff is mostly empty with a note 'x' at the end and the instruction 'percussive events continue to m. 68'.

Preciso

The musical score for 'Preciso' is divided into five parts: cowbells, frying pans, saucepan lids, saucepans, and tape. Each part begins at measure 66. The cowbells part features a melodic line with dynamics *mp*, *sfz*, *ff*, *f*, and *sffz*. The frying pans part includes a steady eighth-note pattern with dynamics *mp*, *ff*, *f*, *sffz*, and *mf*, plus triplets and a 5:4 ratio. The saucepan lids part has a melodic line with dynamics *mp*, *sfz*, *ff*, *f*, *sffz*, and *ppp*. The saucepans part follows a similar melodic pattern with dynamics *mp*, *ff*, *f*, *sffz*, and *ppp*. The tape part consists of two staves with rests and a final melodic phrase marked with 'x'.

Intrepido

70 cowbells *f* *sfz* *f* *ff* *ff*

70 frying pans *sfz* *mf* *f p* *sfz* solo improvisation *ff* solo improvisation *ff*

70 saucepan lids *sfz* *mf* *f p* *sfz* *f p* *ff* *p* *ff*

70 saucepans *sfz* *mf* solo improvisation *f p* *ff* *p* *ff*

70 tape

77

cowbells $\frac{9}{16}$ $\frac{4+3}{16}$ $\frac{4+5}{16}$ $\frac{12}{16}$ $\frac{2+3}{16}$ $\frac{9}{16}$ p f f mf pp

frying pans $\frac{9}{16}$ $\frac{4+3}{16}$ $\frac{4+5}{16}$ $\frac{12}{16}$ $\frac{2+3}{16}$ $\frac{9}{16}$ p f $f p$ mf pp

saucepan lids $\frac{9}{16}$ $\frac{4+3}{16}$ $\frac{4+5}{16}$ $\frac{12}{16}$ $\frac{2+3}{16}$ $\frac{9}{16}$ solo improvisation f $f p$ mf pp

saucepans $\frac{9}{16}$ $\frac{4+3}{16}$ $\frac{4+5}{16}$ $\frac{12}{16}$ $\frac{2+3}{16}$ $\frac{9}{16}$ solo improvisation p f

tape $\frac{9}{16}$ $\frac{4+3}{16}$ $\frac{4+5}{16}$ $\frac{12}{16}$ $\frac{2+3}{16}$ $\frac{9}{16}$

83

cowbells

sffz *ppp* *mf* *f* *ff*

83

frying pans

ppp *mf* *f* *pp* *ff*

83

saucepan lids

sffz *ppp* *mf* *f* *pp* *ff*

83

saucepans

sffz *ppp* *mf* *f* solo improvisation

tape

Preciso

The musical score is for a piece titled "Preciso" and is arranged for five percussion instruments: cowbells, frying pans, ucepan lids, saucepans, and tape. The score is divided into measures, with time signatures changing from 5/16 to 7/16, then 5/4, 15/16, 5+5/16, and finally 5/4. The tempo is marked as 90. The dynamics range from *pp* (pianissimo) to *fff* (fortississimo). The cowbells, frying pans, and ucepan lids parts feature complex rhythmic patterns with many sixteenth notes and some triplets. The saucepans part is mostly silent, with some activity in the later measures. The tape part consists of two staves (treble and bass clef) with some notes and rests.

Furioso
improvise using previously stated patterns

Placido

Lento ♩ = 60

96 cowbells *ff* *mf* *fff* *p* *ppp*

96 frying pans *ff* *mf* *fff* *p*

96 saucepan lids *ff* *mf* *fff* *p*

96 saucepans *ff* *mf* *fff* *p*

96 tape

turn tape off after notes decay, then cue to ID#2 (m. 111)

101

bottles

glass bottles
soft rubber mallets

pp

p

101

bottles

glass bottles
soft rubber mallets

pp

101

frying pans

3

3

3

3

3

3

ppp

101

saucepan lids

101

bottles

glass bottles
soft rubber mallets

3

pp

p

101

saucepans

5:4

5:4

5:4

ppp

101

tape

101

106

bottles

ppp

mp

chocolo
(rain stick)

106

bottles

p

5:4

5:4

5:4

ppp

106

Chocolo

chocolo
(rain stick)

mp

106

saucepan lids

ppp

106

bottles

3

3

3

3

ppp

106

Chocolo

chocolo
(rain stick)

mp

106

tape

106

Andante $\text{♩} = 90$
Misterioso

Chocolo

mar. **marimba**
med. rubber mallets
tr

log drums
med. rubber mallets

Chocolo

Chocolo

tape

111 5" 5" 5" 22"

111

111 5" 5" 5" 22"

111 5" 5" 5" 22"

111 5" 5" 5" 22"

111

ppp *pp* *mp* *p*

ppp *p* *pp*

3 3

120

mar. *tr* *pp* *mf* *f* *mp* *p* *tr*

log drums *mp* *p* *mp*

120 whip *sfz*

120 temple blocks *mf*

120 claves, castinets *sfz* *mf*

120 tape

Detailed description of the musical score: The score is for a percussion ensemble. The maracas part (mar.) is written in bass clef and includes a trill (tr) starting at measure 120, followed by a melodic line with dynamics *pp*, *mf*, *f*, *mp*, and *p*. The log drums part is in bass clef with a steady pulse, dynamics *mp* and *p*. The whip part has a single sharp attack (*sfz*) at measure 120. The temple blocks part has a triplet of eighth notes (*mf*) starting at measure 120. The claves and castinets part has a sharp attack (*sfz*) at measure 120 and a triplet of eighth notes (*mf*) later. The tape part is in treble and bass clefs, with a sharp attack (*sfz*) at measure 120 and a triplet of eighth notes (*mf*) later.

128

mar. *mf* *p* *sfz*

log drum *p sfz mf pp mp p sfz*

claves *sfz*

tape

Detailed description of the musical score: The score is for percussion instruments and is written in bass clef. It begins at measure 128, indicated by a wavy line above the maracas staff. The maracas part starts with a *mf* dynamic, followed by a *p* dynamic, and ends with a *sfz* dynamic. The log drum part starts with a *p* dynamic, followed by a triplet of eighth notes marked with a '3' above it, then *sfz*, *mf*, *pp*, *mp*, *p*, and finally *sfz*. The claves part has a single note marked with *sfz*. The tape part consists of two staves with notes and rests.

136

mar. *ff* *mp* *f*

log drums *ff* *mp* *f*

whip

temple blocks *fp* *mf* whip *sfz*

wood block *sfz* *sfz* *sfz* *sfz*

claves *sfz* xylophone *sfz* wood block *sfz* *sfz*

snare sticks

hard rubber mallets

snare stick

tape *mp*

Detailed description of the musical score for measure 136:

- mar. (maracas):** Bass clef. Starts with a rest, followed by a *ff* dynamic marking. The part concludes with two notes marked *mp* and *f*.
- log drums:** Bass clef. Mirrors the maracas part with *ff* and concluding notes marked *mp* and *f*.
- whip:** Represented by a vertical bar with a downward-pointing arrowhead. A *sfz* dynamic marking is placed above the bar.
- temple blocks:** Bass clef. Features a *fp* dynamic marking, followed by a *mf* dynamic marking and a series of notes. A whip is indicated above the notes.
- wood block:** Bass clef. Includes notes marked *sfz*, *sfz*, *sfz*, and *sfz*. A *sfz* dynamic marking is also placed above the notes.
- claves:** Bass clef. Includes notes marked *sfz* and *sfz*.
- xylophone:** Treble clef. Includes notes marked *sfz* and *sfz*.
- tape:** Treble and bass clefs. The treble clef part features a series of notes and rests. The bass clef part includes notes and rests, concluding with a *mp* dynamic marking.

146

bamboo wind chimes

slap together

slap together

mar.

mf

pp

sfz

mf

146

log drums

pp

f

mp

f

146

temple blocks

mf

p

pp

mf

146

Chocolo

xylophone

hard rubber mallets

sfz

mp

146

tape

146

155

19" 11" Vivace $\bullet = 1 \text{pp}$
Risoluto

mar. marimba med. rubber mallets mf

string drum string drum mf f

Chocolo mp 8" 11" 11"

S.D. S.D. snare sticks (snare on) sfz

Chocolo 5" 14" 11"

B.D. B.D. snare sticks sfz

tape 5" 14" 11" 16th notes continue

162

mar. *f* *mp* 3.5"

log drums med. rubber mallets *mf* 3.5"

bongos conga *mp* 5:4 *p* *mf* *sfz* 3.5"

S.D. tom toms *sfz* *mf* 3.5"

S.D. B.D. *sfz* *f* *mp* 3.5"

tape 162 3.5"

Detailed description of the musical score: The score is written in bass clef and spans measures 162 to 165. It includes six staves: maracas (mar.), log drums, bongos and congas, tom toms (S.D.), snare and bass drums (S.D./B.D.), and a tape machine. The maracas part has a triplet of eighth notes in measure 163, with dynamics *f* and *mp*. The log drums part has a single note in measure 163 with dynamic *mf*. The bongos and congas part has a 5:4 ratio in measure 162 with dynamic *mp*, and a triplet of eighth notes in measure 163 with dynamics *p*, *mf*, and *sfz*. The tom toms part has a single note in measure 162 with dynamic *sfz* and a triplet of eighth notes in measure 163 with dynamic *mf*. The snare and bass drums part has a single note in measure 162 with dynamic *sfz*, a single note in measure 163 with dynamic *f*, and a double note in measure 164 with dynamic *mp*. The tape machine part has a single note in measure 163. A 3.5-second time signature is indicated at the end of each staff.

a tempo

171

mar. *mf* *mf* *p* 5:4 5:4

log drums med. rubber mallets 3 *f* *mp*

171 S.D. tom toms B.D. *f* *sfz* *p* 3 *sfz* *sffz* Δ

171 S.D. timbales B.D. *mf* *ff* *sfz* *pp* *mp* timbales (snare sticks)

171 16th notes continue

tape

179

mar.

mf *pp* *f*

log drums

3 3 3 3 3 3 3 3

guiro

f

B.D.

f *mf*

S.D.
timbales
B.D.

mf *mp*

tape

179

179

Detailed description of the musical score: The score is for percussion instruments and is written in bass clef with a key signature of one flat. It consists of six staves. The first staff is for maracas (mar.), starting at measure 179 with a *mf* dynamic, followed by a *pp* section with a triplet of eighth notes, and ending with a *f* dynamic. The second staff is for log drums, featuring a triplet of eighth notes starting at measure 179. The third staff is for guiro, with a *f* dynamic and a triplet of eighth notes. The fourth staff is for B.D., with a *f* dynamic and a *mf* dynamic. The fifth staff is for S.D./timbales/B.D., with a *mf* dynamic and a *mp* dynamic. The sixth staff is for tape, with two systems of staves (treble and bass clef) starting at measure 179.

184

roto toms
snare sticks

184

log drums

184

tom toms
B.D.

184

S.D.
timbales
B.D.

184

tape

184

The musical score is arranged in five systems. The first system, 'roto toms', features a single staff with a treble clef and a box icon at the start. It contains two measures of music with notes on a four-line staff, marked with dynamics *mp* and *mf*. The second system, 'log drums', has a bass clef and a box icon, showing a continuous eighth-note triplet pattern across five measures, with dynamics *mf* and *f*. The third system, 'tom toms B.D.', uses a treble clef and a box icon, with notes on a four-line staff and dynamics *ff*, *mp*, and *mf*. The fourth system, 'S.D. timbales B.D.', also uses a treble clef and a box icon, with notes on a four-line staff and a dynamic of *mf*. The fifth system, 'tape', consists of two staves (treble and bass clefs) with a box icon and the number 184, but contains no musical notation.

189

roto toms

f *ff* *p* 3.5" *f* a tempo

log drums

189 3 3 3 3 3 3

bongos

189

bongos med. rubber mallets *sfz* *sfz* 3.5" *f* snare sticks

S.D.
tom toms
B.D.

189

f *sfz* *ff* *mp* 3 3.5" *pp* *sfz* *f*

S.D.
timbales
B.D.

189

ff 5:4 5:4 *sfz* 3.5" *mp*

tape

189

3.5" 16th notes continue

194

roto toms

mp *sfz* *f*

194

bongos
conga

f (conga)

194

S.D.
tom toms
B.D.

sfz *pp* *f* *f*

194

S.D.
timbales
B.D.

f *sfz*

194

tape

194

Detailed description of the musical score: The score is for percussion instruments and is written in 3/4 time. It consists of five staves. The first staff is for roto toms, starting at measure 194 with a dynamic of *mp*, followed by *sfz* and *f*. The second staff is for bongos and conga, starting at measure 194 with a dynamic of *f* and a '(conga)' marking. The third staff is for S.D. tom toms and B.D., starting at measure 194 with dynamics of *sfz*, *pp*, and *f*. The fourth staff is for S.D. timbales and B.D., starting at measure 194 with dynamics of *f* and *sfz*. The fifth staff is for tape, starting at measure 194 with a dynamic of *f*. The score includes various articulations such as accents and slurs, and a fermata over the final note of the tape part.

200

mar. **marimba**
hard rubber mallets
[3]
ff

200 *p*

200 **Tri.**
triangle beater
[3] *pp* **whip** *sfz*

200 **snare sticks**
[3] *mf* *f* *sfz*

200 *p* *sfz* *mp*

200

200

tape

Detailed description of the musical score: The score is for a percussion ensemble and is written in common time (C). It begins at measure 200. The marimba part (bass clef) has a triplet of eighth notes marked *ff* with the instruction 'marimba hard rubber mallets'. The conga part (treble clef) has a triplet of eighth notes marked *p*. The triangle and whip parts (treble clef) have a triplet of eighth notes marked *pp* with the instruction 'Tri. triangle beater', followed by a whip stroke marked *sfz*. The tom toms part (treble clef) has a triplet of eighth notes marked *mf*, followed by a single eighth note marked *f* and a triplet of eighth notes marked *sfz*. The timbales part (treble clef) has a triplet of eighth notes marked *p*, followed by a single eighth note marked *sfz* with an accent (^) above it, and a triplet of eighth notes marked *mp*. The tape part consists of two staves (treble and bass clef) with various rhythmic markings, including 'x' above notes and a fermata in the bass staff.

Tranquillo

209

roto toms
snare sticks

mf *ff* *pp*

log drums

209

bongos

sfz *pp*

S.D.
tom toms
B.D.

209

mp *f* *ff* *pp*

S.D.
timbales
B.D.

209

sfz *f* *ff* *pp*

tape

209

tape part continues to grow in intensity to m. 241

Detailed description: This page of a musical score, numbered 209, is for a percussion ensemble. It features six staves: roto toms (with snare sticks), log drums, bongos, S.D. tom toms (B.D.), S.D. timbales (B.D.), and tape. The roto toms part begins with a triplet of eighth notes marked *mf*, followed by a triplet of eighth notes marked *ff*, and then a triplet of eighth notes marked *pp*. The log drums part has a triplet of eighth notes marked *ff*. The bongos part has a triplet of eighth notes marked *sfz* and a triplet of eighth notes marked *pp*. The S.D. tom toms part has a triplet of eighth notes marked *mp*, a triplet of eighth notes marked *f*, a triplet of eighth notes marked *ff*, and a triplet of eighth notes marked *pp*. The S.D. timbales part has a triplet of eighth notes marked *sfz*, a triplet of eighth notes marked *f*, a triplet of eighth notes marked *ff*, and a triplet of eighth notes marked *pp*. The tape part is marked with a downward-pointing triangle and the text "tape part continues to grow in intensity to m. 241".

218

roto toms

218

bongos conga

218

S.D. tom toms
B.D.

218

S.D. timbales
B.D.

218

tape

218

218

The image shows a musical score for percussion instruments, starting at measure 218. The score is divided into five staves. The first staff is for roto toms, the second for bongos conga, the third for S.D. tom toms B.D., the fourth for S.D. timbales B.D., and the fifth for tape. The roto toms staff features a melodic line with dynamics *f*, *p*, *fp*, and *f*, and a triplet of eighth notes. The bongos conga staff has dynamics *f*, *p*, *f*, and *p*. The S.D. tom toms B.D. staff uses dynamics *ff*, *pp*, *p*, *f*, *p*, and *f*. The S.D. timbales B.D. staff uses dynamics *ff*, *pp*, *f*, and *p*. The tape staff consists of two empty staves, one for treble clef and one for bass clef, with measure numbers 218 and 218 written above them.

226

roto toms

226

bongos
conga

226

S.D.
tom toms
B.D.

226

S.D.
timbales
B.D.

226

tape

The musical score is arranged in five systems, each representing a different percussion instrument. The first system is for 'roto toms', the second for 'bongos conga', the third for 'S.D. tom toms B.D.', the fourth for 'S.D. timbales B.D.', and the fifth for 'tape'. Each system begins with a measure number '226'. The notation includes various rhythmic values, accents, and dynamic markings such as *f*, *p*, and *fp*. The 'roto toms' part features a series of notes with accents and dynamic changes. The 'bongos conga' part consists of a steady rhythm of notes. The 'S.D. tom toms B.D.' part includes triplet markings and dynamic shifts. The 'S.D. timbales B.D.' part shows a rhythmic pattern with accents. The 'tape' part is represented by two staves (treble and bass clef) with horizontal lines indicating a sustained or silent state.

233
 roto toms
p *f* *p* *f* *p* *sfz* *f*

233
 bongos
f *p* *mp*

233
 S.D.
 tom toms
 B.D.
p *sfz* *p* *ff* *fp* *f*

233
 S.D.
 timbales
 B.D.
fp *fp* *f* *f* *p* *fp* *sfz* *f* *sfz* *mf* *sfz* *f* *sfz*

233
 tape

Intrepido

243

roto toms

mp *f* *mp* *f* *mp* *f* *ff* *pp* *ff* *mp* *f* *pp* *ff* *f*

243

bongos
conga

mp *f* *mp* *f* *mp* *f* *mp* *ff* *pp* *f* *mp* *f* *ff* *f*

243

S.D.
tom toms
B.D.

mp *f* *mp* *f* *mp* *f* *mp* *sfz* *f* *mp* *pp* *ff* *f* *sfz*

243

S.D.
timbales
B.D.

mp *f* *mp* *f* *mp* *f* *mp* *f* *pp* *ff* *sfz* *pp* *sfz*

243

tape

248

roto toms

mp *mf* *mp*

248

bongos
conga

fp

248

whip

248

S.D.
tom toms
B.D.

sfz *mf* *sfz* *mf* *f* *mf* *f* *mf*

whip
3
sfz

snare sticks

248

wood block

248

S.D.
timbales
B.D.

pp *ff* *sfz* *mf* *sfz* *mp*

wood block

248

tape

248

255

mar. *marimba*
hard rubber mallets

255

roto toms *ffz* *ffz* *f*

255

bongos conga *ff*

255

S.D. tom toms *pp* *ff* *mp*

B.D.

255

S.D. timbales *pp* *ff* *sffz* *f* *mf* *mp*

B.D.

255

tape

255

Detailed description of the musical score: The score is for percussion instruments and is written in bass clef. It consists of six staves. The first staff is for marimba, with a note at measure 255 marked *f* and the instruction "marimba hard rubber mallets". The second staff is for roto toms, with notes at measure 255 marked *ffz* and *ffz*, and a note at measure 256 marked *f*. The third staff is for bongos conga, with notes at measure 255 marked *ff*. The fourth staff is for tom toms, with notes at measure 255 marked *pp*, *ff*, and *mp*. The fifth staff is for timbales, with notes at measure 255 marked *pp*, *ff*, *sffz*, *f*, *mf*, and *mp*. The sixth staff is for tape, with notes at measure 255. The score includes various dynamics, articulations, and a triplet of notes in the tom toms part.

261

snare sticks

mf

3

261

bongos
conga

mp

f

mp

261

S.D.
tom toms
B.D.

sfz

mf

261

S.D.
timbales
B.D.

mf

3

5:4

261

tape

Detailed description of the musical score: The score is for measures 261-264. The roto toms part (measures 261-264) features a pattern of eighth notes with accents, starting with a *mf* dynamic and including a triplet of eighth notes in measure 264. The bongos and conga part (measures 261-264) starts with a *mp* dynamic, has a *f* dynamic in measure 262, and returns to *mp* in measure 263. The S.D. tom toms part (measures 261-264) has a *sfz* dynamic in measure 263 and a *mf* dynamic in measure 264. The S.D. timbales part (measures 261-264) has a *mf* dynamic in measure 263 and includes a triplet in measure 263 and a 5:4 ratio in measure 264. The tape part (measures 261-264) consists of two staves, with the upper staff in treble clef and the lower staff in bass clef, showing a rhythmic accompaniment.

265

roto toms

3

5:4

ff *pp*

4.5"

15"

improvise on membranophones
gradually have the sense of a
regular pulse deteriorate

265

bongos
conga

ff *pp*

4.5"

15"

improvise on membranophones
gradually have the sense of a
regular pulse deteriorate

265

S.D.
tom toms
B.D.

3

ff *pp*

4.5"

15"

improvise on membranophones
gradually have the sense of a
regular pulse deteriorate

265

S.D.
timbales
B.D.

3

ff *pp*

4.5"

15"

improvise on membranophones
gradually have the sense of a
regular pulse deteriorate

tape

265

3

Con Fuoco

Allegro ♩ = 120
Strepitoso

The score is divided into six systems, each for a different percussion instrument. The first system includes cowbells and rototoms. The second system includes bongos and conga. The third system includes Tri. (triangle) and S.D. tom toms / B.D. (bass drum). The fourth system includes xylo. (xylophone) and S.D. timbales / B.D. The fifth system is for the tape. The score is marked with dynamic levels such as *fff*, *sfz*, *mf*, and *p*, and includes performance instructions like 'continue improvisation gradually adding metallic and glass percussion continue deterioration of sense of pulse' and 'wild and frenetic improvisation with no sense of pulse'. There are also markings for '13"', '5"', and '3' indicating specific rhythmic or improvisational sections. The tempo is marked as Allegro (♩ = 120) and the mood as Strepitoso. The overall style is 'Con Fuoco'.

275 H.H. hard rubber mallets *f* *mp* *sfz*

H.H., sus. cym., wind chimes

275 crotales hard rubber mallets *p*

crotales

275 bottles sus. cym. glass bottles hard rubber mallets *f* *p* *ord.*

bottles sus. cym.

275 brake drum hard rubber mallets *mf*

brake drum

275 log drums hard rubber mallets *f*

log drums

275 S.D. tom toms B.D. snare sticks *p* *sfz* *f* *fp* *sfz* *mp* *f*

S.D. tom toms B.D.

275 tam tam (snare stick) *mp*

tam tam

275 saucepans snare sticks *mp* *mf* *sfz*

saucepans

275 B.D. (snare sticks) *f*

B.D.

275 tape *ff*

tape

281

bottles

mar. 281

281

roto toms

281

sus. cym.

281

frying pans

281

log drums

281

saucepan lids

281

temple blocks

281

tom toms

281

tam tam

281

S.D.

timbales

B.D.

281

tape

281

281

glass bottles

3

marimba

hard rubber mallets

mf

ff

roto toms

3

mp

3

ff

frying pans

3

f

log drums

pp

saucepan lids

sfz

temple blocks

5:4

mf

tom toms

sfz

tam tam

mf

S.D.

sfz

timbales

sfz

B.D.

ff

