

Machine Language

**Written for Ian Antonio, TimeTable Percussion,
and Wet Ink Ensemble**

Sam Pluta

Machine Language

Percussion Setup

Percussion list:

Perc 1 (soloist) - 3 toms, 2 bongos, 2 temple blocks, China cymbal,
5 pieces of wood, 1 maraca

Perc 2 - 3 toms, 2 bongos, 2 temple blocks, China cymbal,
5 Japanese piccolo woodblocks, 1 snare, tam tam, brake drum

Perc 3 - 3 toms, 2 bongos, 2 temple blocks, China cymbal,
5 Japanese piccolo woodblocks, 1 snare, tam tam, brake drum

A musical score for three percussionists: Soloist, Percussion 1, and Percussion 2. The score consists of three staves, each with a different set of instruments. The Soloist staff includes tom, toms, bongos, temple blocks, China cymbal, and 5 pieces of wood. The Percussion 1 staff includes snare, tom, toms, bongos, temple blocks, China cymbal, tam, and brake drum. The Percussion 2 staff includes snare, tom, toms, bongos, temple blocks, China cymbal, tam, and brake drum. The score is divided into measures by vertical bar lines.

Percussion Soloist

tom toms bongos temple blocks China cymbal 5 pieces of wood

snare

tom toms bongos temple blocks China cymbal

5 Japanese piccolo woodblocks

Percussion 1

snare

tom toms bongos temple blocks China cymbal tam brake drum

5 Japanese piccolo woodblocks

Percussion 2

snare

tom toms bongos temple blocks China cymbal tam brake drum

Machine Language

Sam Plaza

$\text{♩} = 96$

Bass Clarinet 1 in B_b

Bass Clarinet 2 in B_b

Percussion Soloist

bongos
ff temple blocks
China cymbal

Percussion 1

ff temple blocks

Percussion 2

ff China cymbal

Sine Waves

Accordion

Violin 1

Violin 2

2

Perc. S

This musical score shows three staves for Percussion instruments. The top staff, labeled 'Perc. S', consists of two lines of music. The bottom staff, labeled 'Perc. 1', has two lines of music. The middle staff, labeled 'Perc. 2', also has two lines of music. The notation uses various symbols like vertical bars, plus signs, and crosses to represent different percussive sounds.

≡

14

This musical score continues from the previous section. The top staff (Perc. S) has two lines of music. The middle staff (Perc. 1) has two lines of music. The bottom staff (Perc. 2) has two lines of music. The notation uses vertical bars, plus signs, and crosses to represent different percussive sounds.

≡

21

This musical score continues from the previous section. The top staff (Perc. S) has two lines of music. The middle staff (Perc. 1) has two lines of music. The bottom staff (Perc. 2) has two lines of music. The notation uses vertical bars, plus signs, and crosses to represent different percussive sounds.

28

Perc. S

Perc. 1

Perc. 2

This musical score section for measures 28 consists of three staves. The top staff, labeled 'Perc. S', features eighth-note patterns with various slurs and grace notes. The middle staff, labeled 'Perc. 1', contains eighth-note patterns with '+' symbols above some stems and 'x' symbols below others. The bottom staff, labeled 'Perc. 2', shows eighth-note patterns with '+' symbols above stems and 'x' symbols below stems.

≡

34

Perc. S

Perc. 1

Perc. 2

This section starts with a double bar line followed by measure 34. The top staff, 'Perc. S', has eighth-note patterns with slurs. The middle staff, 'Perc. 1', has eighth-note patterns with '+' and '-' symbols. The bottom staff, 'Perc. 2', has eighth-note patterns with '+' and '-' symbols.

≡

40

Perc. S

Perc. 1

Perc. 2

This section starts with a double bar line followed by measure 40. The top staff, 'Perc. S', has eighth-note patterns with slurs and grace notes. The middle staff, 'Perc. 1', has eighth-note patterns with '+' and '-' symbols. The bottom staff, 'Perc. 2', has eighth-note patterns with '+' and '-' symbols. Measure 40 concludes with a common time signature (indicated by '4') and a repeat sign.

49

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

full perc setup

brake drum

tam tam

Bass Drum full perc setup

mf

ff

ff

ff

Just Tuned Partials of a B \flat Fundamental

$\frac{7}{16}$

$\frac{9}{16}$

$\frac{5}{16}$

$\frac{11}{16}$

56

B. Cl. 1

B. Cl. 2

Perc. S

+tam tam

Perc. 1

brake drum

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

1

5

This page contains musical notation for nine parts across five systems. The parts are: Bass Clarinet 1, Bass Clarinet 2, Percussion Section, Percussion 1, Percussion 2, Sines, Accord., Violin 1, and Violin 2. The score is divided into systems by vertical bar lines. Measure numbers 56 and 1 are indicated at the top. Dynamics include *pp* and *ff*. Performance instructions like "+tam tam" and "brake drum" are present. Measure 56 consists of measures 2, 15, 4, 16, 4, 15, 16, 4. Measures 1 through 14 consist of measures 2, 15, 4, 16, 4, 15, 16, 4.

6

2

62

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

2

3

7

4:5

69

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

4:5

4:5

4:5

+ 4:5

+ 4:5

3 slowly detune to bar 82
sine waves stay at Bb series

8

74 same meter to 85

4

B. Cl. 1

B. Cl. 2

Perc. S

same meter to 85

Perc. 1

same meter to 85

Perc. 2

Sines

Accord.

4

Vln. 1

Vln. 2

This musical score page contains nine staves. From top to bottom: Bassoon 1 (B. Cl. 1) has a bass clef and two short notes; Bassoon 2 (B. Cl. 2) has a bass clef and two short notes; Percussion S (Perc. S) has a treble clef and a continuous pattern of sixteenth-note pairs; Percussion 1 (Perc. 1) has a treble clef and a pattern of eighth-note pairs with various performance marks like 'x' and '+'; Percussion 2 (Perc. 2) has a treble clef and a similar pattern to Percussion 1; Sines has a treble clef and four horizontal lines; Accord. has a treble clef and a bass clef, grouped together by a brace; Violin 1 (Vln. 1) has a treble clef and two short notes; Violin 2 (Vln. 2) has a treble clef and a continuous horizontal line. Measure 74 starts with 'same meter to 85'. Measure 8 begins with a measure repeat sign and a '4' above the staff. Dynamics include 'pp', 'ff', '+', and '-' symbols. Measure 9 starts with a measure repeat sign and a '4' above the staff.

5

B. Cl. 1 77

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

pp

pp

+ -

+ -

+

5

This musical score page contains eight staves. The first two staves are for Bass Clarinet 1 and Bass Clarinet 2, both in treble clef, with measure numbers 1 through 16. The third staff is for Percussion S, the fourth for Percussion 1, and the fifth for Percussion 2. The sixth staff is for Sines, the seventh for Accord. (with a brace), and the eighth and ninth staves are for Violin 1 and Violin 2 respectively. Measure 1 shows sustained notes. Measures 2-4 show sustained notes. Measures 5-8 show eighth-note patterns for Percussion S and eighth-note patterns with dynamics for Bass Clarinets. Measures 9-12 show sustained notes for Bass Clarinets and sustained notes for Accord. Measures 13-16 show sustained notes for Bass Clarinets and sustained notes for Violins 1 and 2. Dynamic markings include pp, +, -, and +-. Measure 16 concludes with a final dynamic marking of 5.

10

80

B. Cl. 1

ff

B. Cl. 2

ff

Perc. S

Perc. 1

Perc. 2

+

+

+

x

Sines

Accord.

Vln. 1

Vln. 2

12

88

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

This musical score page contains nine staves, each with a unique instrument or sound source. The instruments are: Bass Clarinet 1, Bass Clarinet 2, Percussion S, Percussion 1, Percussion 2, Sines, Accord., Violin 1, and Violin 2. The score is set in 2/4 time. Measures 1 through 8 are displayed, with measure 8 concluding with a repeat sign. The notation includes various rhythmic values such as 16th and 32nd notes, along with quarter and eighth notes. Measure 9 begins with a repeat sign from measure 8. The score concludes with measure 10.

13

95

7

B. Cl. 1 $\begin{smallmatrix} 15 \\ 32 \end{smallmatrix}$ - $\frac{5}{8}$ - | $\begin{smallmatrix} 2 \\ 4 \end{smallmatrix}$ | $\begin{smallmatrix} 5 \\ 16 \end{smallmatrix}$ - $\begin{smallmatrix} 15 \\ 16 \end{smallmatrix}$

B. Cl. 2 $\begin{smallmatrix} 15 \\ 32 \end{smallmatrix}$ - $\frac{5}{8}$ - | pp | ff | $\begin{smallmatrix} 2 \\ 4 \end{smallmatrix}$ | $\begin{smallmatrix} 5 \\ 16 \end{smallmatrix}$ - $\begin{smallmatrix} 15 \\ 16 \end{smallmatrix}$

Perc. S $\begin{smallmatrix} 15 \\ 32 \end{smallmatrix}$ - $\frac{5}{8}$ - | $\begin{smallmatrix} 2 \\ 4 \end{smallmatrix}$ | $\begin{smallmatrix} 5 \\ 16 \end{smallmatrix}$ - $\begin{smallmatrix} 15 \\ 16 \end{smallmatrix}$

Perc. 1 $\begin{smallmatrix} 15 \\ 32 \end{smallmatrix}$ - $\frac{5}{8}$ - | $+ \quad \times$ | $\gamma \quad \times$ | - | - | $\begin{smallmatrix} 2 \\ 4 \end{smallmatrix}$ | $\times \quad \gamma$ | $\begin{smallmatrix} 5 \\ 16 \end{smallmatrix}$ - $\begin{smallmatrix} 15 \\ 16 \end{smallmatrix}$

Perc. 2 $\begin{smallmatrix} 15 \\ 32 \end{smallmatrix}$ - $\frac{5}{8}$ - | $+ \quad \times$ | $\gamma \quad \times$ | - | - | $\begin{smallmatrix} 2 \\ 4 \end{smallmatrix}$ | $\times \quad \gamma$ | $\begin{smallmatrix} 5 \\ 16 \end{smallmatrix}$ - $\begin{smallmatrix} 15 \\ 16 \end{smallmatrix}$

Sines $\begin{smallmatrix} 15 \\ 32 \end{smallmatrix}$ - $\frac{5}{8}$ - | $\begin{smallmatrix} 2 \\ 4 \end{smallmatrix}$ | $\begin{smallmatrix} 5 \\ 16 \end{smallmatrix}$ - $\begin{smallmatrix} 15 \\ 16 \end{smallmatrix}$

Accord. $\left\{ \begin{smallmatrix} 15 \\ 32 \end{smallmatrix} \quad \frac{5}{8} \right.$ | $\left. \begin{smallmatrix} 2 \\ 4 \end{smallmatrix} \quad \begin{smallmatrix} 5 \\ 16 \end{smallmatrix} \quad \begin{smallmatrix} 15 \\ 16 \end{smallmatrix} \right.$

7

Vln. 1 $\begin{smallmatrix} 15 \\ 32 \end{smallmatrix}$ - $\frac{5}{8}$ - | $\begin{smallmatrix} 2 \\ 4 \end{smallmatrix}$ | $\begin{smallmatrix} 5 \\ 16 \end{smallmatrix}$ - $\begin{smallmatrix} 15 \\ 16 \end{smallmatrix}$

Vln. 2 $\begin{smallmatrix} 15 \\ 32 \end{smallmatrix}$ - $\frac{5}{8}$ - | $\begin{smallmatrix} 2 \\ 4 \end{smallmatrix}$ | $\begin{smallmatrix} 5 \\ 16 \end{smallmatrix}$ - $\begin{smallmatrix} 15 \\ 16 \end{smallmatrix}$

14

104

8

B. Cl. 1 $\frac{15}{16}$ - $\frac{3}{4}$ $\frac{5}{16}$ $\frac{15}{32}$ $\frac{5}{8}$ $\frac{2}{4}$

B. Cl. 2 $\frac{15}{16}$ - $\frac{3}{4}$ $\frac{5}{16}$ $\frac{15}{32}$ $\frac{5}{8}$ $\frac{2}{4}$

Perc. S $\frac{15}{16}$ $\frac{15}{16}$ $\frac{3}{4}$ $\frac{5}{16}$ $\frac{15}{32}$ $\frac{5}{8}$ $\frac{2}{4}$

Perc. 1 $\frac{15}{16}$ - $\frac{3}{4}$ $\frac{5}{16}$ $\frac{15}{32}$ $\frac{5}{8}$ $\frac{2}{4}$

Perc. 2 $\frac{15}{16}$ - $\frac{3}{4}$ $\frac{5}{16}$ $\frac{15}{32}$ $\frac{5}{8}$ $\frac{2}{4}$

Sines $\frac{15}{16}$ $\frac{3}{4}$ $\frac{5}{16}$ $\frac{15}{32}$ $\frac{5}{8}$ $\frac{2}{4}$

Accord. $\frac{15}{16}$ $\frac{3}{4}$ $\frac{5}{16}$ $\frac{15}{32}$ $\frac{5}{8}$ $\frac{2}{4}$

Vln. 1 $\frac{15}{16}$ $\frac{3}{4}$ $\frac{5}{16}$ $\frac{15}{32}$ $\frac{5}{8}$ $\frac{2}{4}$

Vln. 2 $\frac{15}{16}$ $\frac{3}{4}$ $\frac{5}{16}$ $\frac{15}{32}$ $\frac{5}{8}$ $\frac{2}{4}$

111

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

9

15

This page contains musical staves for nine different instruments or sections. The instruments are: Bassoon 1 (B. Cl. 1), Bassoon 2 (B. Cl. 2), Percussion Section (Perc. S), Percussion 1 (Perc. 1), Percussion 2 (Perc. 2), Sines, Accord. (Accord.), Violin 1 (Vln. 1), and Violin 2 (Vln. 2). The score is in common time (indicated by '2' over '4'). Measure numbers 9 and 111 are present. Dynamic markings include *pp* and *pp*. Measure 9 starts with a bassoon line and continues with various patterns for the other instruments. Measure 111 features sustained notes across all staves. Measures 111-9 are indicated by a bracket above the staff.

16

10

11

B. Cl. 1

120

ff

B. Cl. 2

*ff**pp**ff**pp**ff*

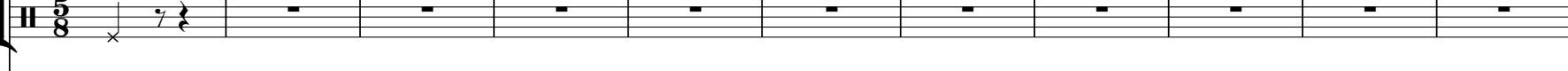
Perc. S



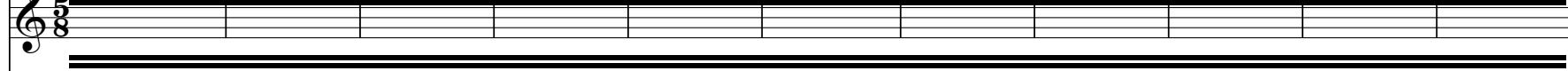
Perc. 1



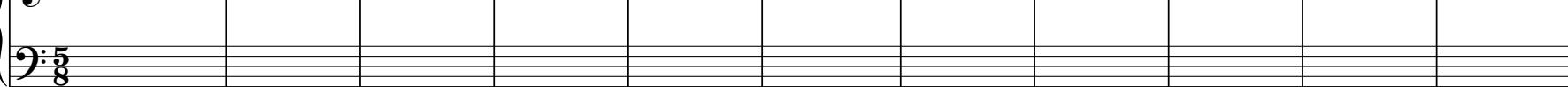
Perc. 2



Sines



Accord.



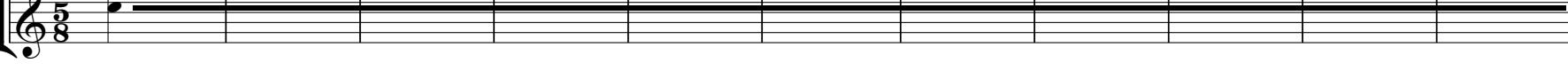
10

slowly retune to bar 132

Vln. 1



Vln. 2



12

17

131

12

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

18

139

B. Cl. 1

B. Cl. 2

13

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

13

Vln. 1

Vln. 2

14

149

B. Cl. 1 B. Cl. 2 Perc. S Perc. 1 Perc. 2 Sines Accord. Vln. 1 Vln. 2

14

149

B. Cl. 1 B. Cl. 2 Perc. S Perc. 1 Perc. 2 Sines Accord. Vln. 1 Vln. 2

14

20

15

155

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

15 slowly detune to bar 186

16

Vln. 1

Vln. 2

163

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

17

173

17

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

180

18

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

Detailed description: This is a musical score page for orchestra and electronics. The score is divided into sections: Bass Clarinet 1, Bass Clarinet 2, Percussion S, Percussion 1, Percussion 2, Sines (electronic sine waves), Accord. (harmonic series), Violin 1, and Violin 2. The tempo is marked as 180. Measure 18 begins with both bass clarinets playing sustained notes. Percussion S has a complex pattern of eighth-note pairs. Percussion 1 and 2 play sustained notes with occasional accents. Sines and Accord. provide harmonic support with sustained notes. Violins 1 and 2 also play sustained notes. Dynamics include *pianissimo* (pp) and *fississimo* (ff).

24

10 sec

B. Cl. 1

B. Cl. 2

Perc. S

snare - snares on

Perc. 1

ffpp

snare - snares on

Perc. 1

ffpp

Sines

Accord.

10 sec

Vln. 1

10 sec

Vln. 2

This musical score page contains ten staves. From top to bottom: 1) Bassoon 1 (B. Cl. 1) and Bassoon 2 (B. Cl. 2), both in treble clef; 2) Snare Drum (Perc. S) in bass clef, with a dynamic instruction 'snare - snares on' and a performance note 'v' above the staff; 3) Bass Drum (Perc. 1) in bass clef, with a dynamic instruction 'ffpp' below the staff; 4) Bass Drum (Perc. 1) in bass clef, with a dynamic instruction 'ffpp' below the staff; 5) Sine Wave (Sines) in treble clef; 6) Accordion (Accord.) in bass clef, with two staves: one for the left hand (treble) and one for the right hand (bass); 7) Violin 1 (Vln. 1) in treble clef; 8) Violin 2 (Vln. 2) in treble clef. Measure numbers 187 are indicated at the beginning of the first two staves. Three '10 sec' time markings are present: one between the snare and bass drum staves, one between the second bass drum and sine wave staves, and one between the accordion and violin staves. Performance symbols like dots and dashes are placed above specific notes across the staves.

B. Cl. 1 188 30 sec

B. Cl. 2 30 sec

Perc. S hanging maraca 30 sec

Perc. 1 5 Japanese piccolo woodblocks

Perc. 2 5 Japanese piccolo woodblocks

Sines

Accord. irregular/unstable tremolo 30 sec

Vln. 1 irregular overpressure (produce an undertone) 30 sec

Vln. 2 irregular overpressure (produce an undertone)

189 ♪ = 154
robotic, cold

B. Cl. 1

B. Cl. 2

Perc. S
5 pieces of wood

Perc. 1

Perc. 2

Sines

robotic, cold
single reed at all times

Accord.

$\text{♩} = 154$

Vln. 1

Vln. 2

196

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

204

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

This musical score page contains eight staves. The top two staves are for Bass Clarinet 1 and Bass Clarinet 2, both in treble clef and common time. The third staff is for Percussion S, the fourth for Percussion 1, and the fifth for Percussion 2, all in common time. The sixth staff is for Sines, the seventh for Accord. (with a bass clef staff below it), and the eighth and ninth staves are for Violin 1 and Violin 2 respectively, both in treble clef and common time. The score includes various musical markings such as dynamic changes (e.g., $8va$), performance instructions (e.g., 'z'), and key signatures (e.g., $\#$, \flat). The page number 28 is at the top left, and the tempo 204 is indicated at the beginning.

211

B. Cl. 1 (8) - 1

B. Cl. 2 (8) - 1

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

This musical score page contains eight staves of music. The top two staves are for Bass Clarinet 1 and Bass Clarinet 2, both marked with dynamic (8) and (8) markings. The third staff is for Percussion S, the fourth for Percussion 1, and the fifth for Percussion 2. The sixth staff is for Sines, which consists of five blank horizontal lines. The seventh staff is for Accord., which includes a treble clef, a bass clef, and a bass staff, with a dynamic (8) marking at the beginning. The eighth staff is for Violin 1, and the ninth staff is for Violin 2. Measure 1 starts with a dynamic (8) for Bass Clarinet 1, followed by a crescendo line. Measure 2 starts with a dynamic (8) for Bass Clarinet 2. Measures 3-8 are indicated by dashed lines. Measures 9-12 are also indicated by dashed lines. The score ends with a dynamic (8) for Bass Clarinet 2 and a crescendo line.

218

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord

Vln. 1

Vln. 2

226

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

yl-2

239

B. Cl. 1

B. Cl. 2

Perc. S

mp

Perc. 1

mp

Perc. 2

mp

Sines

Accord.

Vln. 1

mf

overpressure (undertone)

Vln. 2

mf

A musical score page featuring nine staves. The top two staves are for Bass Clarinet 1 and Bass Clarinet 2, both with treble clefs and no notes. The third staff is for Percussion S, the fourth for Percussion 1, and the fifth for Percussion 2. All three percussion staves have dynamic markings 'mp' and contain eighth-note patterns with various rests. The sixth staff is for 'Sines' and the seventh for 'Accord.', both with empty staves. The bottom two staves are for Violin 1 and Violin 2, both with treble clefs. Violin 1 has a note at the beginning of the measure with dynamic 'mf', followed by a long horizontal line. Violin 2 also has a note at the beginning with dynamic 'mf', followed by a long horizontal line. A bracket groups the two violin staves. Above the violin staves, the text 'overpressure (undertone)' is written twice.

Musical score page 14, measures 244-245. The score includes parts for Bassoon 1, Bassoon 2, Percussion S, Percussion 1, Percussion 2, Sines, Accord., Violin 1, and Violin 2.

B. Cl. 1: Measures 244-245. Dynamics: mf , f . Measure 245 ends with a fermata over the bassoon parts.

B. Cl. 2: Measures 244-245. Dynamics: mf . Measure 245 ends with a fermata over the bassoon parts.

Perc. S: Measures 244-245. Dynamics: f .

Perc. 1: Measures 244-245. Dynamics: f .

Perc. 2: Measures 244-245. Dynamics: f .

Sines: Measures 244-245. Dynamics: f .

Accord.: Measures 244-245. Dynamics: mf . Measure 245 ends with a fermata over the accord part.

Vln. 1: Measures 244-245. Dynamics: f .

Vln. 2: Measures 244-245. Dynamics: f .

251

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

8va

8va

1

35

This musical score page contains six staves of music. The top two staves are for Bass Clarinet 1 and Bass Clarinet 2, both in treble clef and common time, with a key signature of one sharp. The third staff is for Percussion S, the fourth for Percussion 1, and the fifth for Percussion 2, all in common time. The sixth staff is for Sines, the seventh for Accord. (with bass and treble clefs), and the bottom two staves are for Violin 1 and Violin 2, both in treble clef and common time. Various dynamics such as ff (fortissimo) and f (forte) are indicated above the staves. Performance instructions like 8va (octave up) are also present. Measure numbers 251 and 35 are at the top left and right respectively. Measure 251 starts with sustained notes from Bass Clarinet 1 and Bass Clarinet 2, followed by eighth-note patterns. Measure 35 starts with eighth-note patterns from Bass Clarinet 1 and Bass Clarinet 2, followed by sustained notes. Measures 251 and 35 both feature dynamic markings ff and f, and performance instructions 8va.

36

(8)-----1

258

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

This musical score page contains eight staves of music. The top two staves are for Bass Clarinet 1 and Bass Clarinet 2, both in treble clef. The next three staves are for Percussion: Percussion S, Percussion 1, and Percussion 2, all in common time. The fifth staff is for Sines, which consists of a single note sustained across all measures. The sixth staff is for Accord., featuring a bass line with a treble clef and a bass clef, with a dynamic marking of $\#d$. The bottom two staves are for Violin 1 and Violin 2, both in treble clef. Measure 1 starts with a dynamic of f , followed by a measure of p , then d , and a measure of f . Measures 2-7 continue with a similar pattern of dynamics. Measure 8 ends with a repeat sign and a first ending instruction (1). Measure 9 begins with a dynamic of 258 BPM, indicated by a tempo marking above the staff. The score uses various dynamic markings including f , p , d , sf , and $\#d$.

265

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

9
16

9
16

9
16

9
16

9
16

9
16

9
16

9
16

overpressure (undertone)

mf

overpressure (undertone)

mf

Musical score for orchestra and electronics, page 271. The score includes parts for Bassoon 1, Bassoon 2, Percussion S, Percussion 1, Percussion 2, Sines, Accord., Violin 1, and Violin 2. The score features various musical markings such as dynamic changes (mf, f), performance instructions (e.g., 5, 7, 16, 8va), and rhythmic patterns. The bassoon parts have dynamic markings (mf) and performance instructions (e.g., 5, 16, 8va). The percussion parts feature complex rhythmic patterns with markings like 5, 7, and 16. The Sines and Accord. parts show sustained notes with dynamic changes (mf). The Violin parts consist of sustained notes.

Musical score for orchestra and choir, page 39, measures 277-285.

The score consists of eight staves:

- B. Cl. 1 (measures 277-285)
- B. Cl. 2 (measures 277-285)
- Perc. S (measures 277-285)
- Perc. 1 (measures 277-285)
- Perc. 2 (measures 277-285)
- Sines (measures 277-285)
- Accord. (measures 277-285)
- Vln. 1 (measures 277-285)
- Vln. 2 (measures 277-285)

Measure 277 starts with a dynamic f . Measures 278-285 show various rhythmic patterns, including eighth-note groups and sixteenth-note patterns. Measure 285 ends with a dynamic p .

283

Musical score page 10 featuring seven staves:

- B. Cl. 1**: Treble clef, key signature of two sharps. Notes include a dotted half note, a rest, and a quarter note.
- B. Cl. 2**: Treble clef, key signature of two sharps. Notes include a dotted half note, a rest, and a quarter note.
- Perc. S**: Percussion staff with a treble clef. It consists of two staves. The first staff has eighth-note patterns. The second staff has sixteenth-note patterns.
- Perc. 1**: Percussion staff with a treble clef. It consists of two staves. The first staff has eighth-note patterns. The second staff has sixteenth-note patterns.
- Perc. 2**: Percussion staff with a treble clef. It consists of two staves. The first staff has eighth-note patterns. The second staff has sixteenth-note patterns.
- Sines**: Treble clef. All measures are rests.
- Accord.**: Treble and bass staves. The treble staff has notes with slurs and a double bar line. The bass staff has a single note in the fourth measure.
- Vln. 1**: Treble clef. All measures are rests.
- Vln. 2**: Treble clef. All measures are rests.

289 ♩ = 156

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

full perc setup *f* *ff* *ffmf* *snares on* *ff* *ffmf* *snares on* *ff* *ff*

full perc setup *ff* *ffmf* *ffmf* *ff*

full perc setup *ff* *ffmf* *ff*

7 5 9

mf

ff

f

improvise long note arpeggios on the Db (written Eb) harmonic series - with each breath start and end anywhere in the series, moving upwards or downwards or both

♩ = 156 this is an out of tune Db series against the in tune series in the sine waves
hold to 328 the in tune series arrives in the strings at bar 394

296

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

This musical score page shows a single measure (numbered 296) for a ten-part composition. The parts are listed vertically from top to bottom: Bassoon 1 (B. Cl. 1), Bassoon 2 (B. Cl. 2), Percussion S (Perc. S), Percussion 1 (Perc. 1), Percussion 2 (Perc. 2), Sines, Accord., Violin 1 (Vln. 1), and Violin 2 (Vln. 2). The Bassoon parts are silent. The Percussion parts play eighth-note patterns with dynamic markings: ffmf, ff, ff, ff, ffmf, ff, ffmf, ff, ff. The Sines and Accord. parts are silent. The Violin parts are silent.

303

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

This musical score page contains ten staves. The first two staves are for Bass Clarinet 1 and Bass Clarinet 2, both of which are currently silent. The third staff is for Percussion S, featuring a pattern of eighth-note pairs with various slurs and grace notes, punctuated by dynamic markings: ff at the beginning, ffmf in the middle, and ffmmf towards the end. The fourth staff is for Percussion 1, showing a similar pattern with ffmf dynamics. The fifth staff is for Percussion 2, also with ffmf dynamics. The sixth and seventh staves are for Sines and Accord. respectively, each consisting of two staves with no visible note heads. The eighth and ninth staves are for Violin 1 and Violin 2, both of which are playing sustained notes across all ten measures of the score.

44

310

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

This musical score page contains nine staves. The top two staves are for Bass Clarinet 1 and Bass Clarinet 2, both in treble clef, with stems pointing right. The next three staves are for Percussion instruments: Percussion S, Percussion 1, and Percussion 2, all in treble clef with stems pointing right. The Percussion 2 staff includes dynamic markings: ff at measure 1, ff at measure 2, ffmf at measure 3, ffmf at measure 4, ffmf at measure 5, ffmf at measure 6, ffmf at measure 7, ffmf at measure 8, ffmf at measure 9, and ffmf at measure 10. The Sines staff has a treble clef and consists of five horizontal black lines. The Accord. staff is grouped by a brace and has a treble clef above and a bass clef below. The bottom two staves are for Violin 1 and Violin 2, both in treble clef with stems pointing right. The page number 44 is in the top left corner, and the tempo 310 is at the top left of the staff area.

318

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

ffmf

ffmf

ffmf

46

325

1

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

ffmf

ff

dead stroke

dead stroke

dead stroke

ffmf

ff

slowly slide to 359

341

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

Measure 1: Bass Clarinet 1 and 2 play sustained notes. Time signature changes from 2/4 to 5/8.

Measure 2: Bass Clarinet 1 and 2 play sustained notes. Time signature changes from 5/8 to 4/4.

Measure 3: Bass Clarinet 1 and 2 play sustained notes. Time signature changes from 4/4 to 4/4.

Measures 4-6: Percussion S, Percussion 1, and Percussion 2 play complex rhythmic patterns. Dynamic ffmf. Time signature changes between 2/4, 5/8, and 4/4.

Measures 7-9: Accord. and Violin 1 play sustained notes. Time signature changes from 2/4 to 5/8 to 4/4.

Measures 10-12: Accord. and Violin 2 play sustained notes. Time signature changes from 2/4 to 5/8 to 4/4.

348

B. Cl. 1

B. Cl. 2

Perc. S

ff

Perc. 1

ff

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

15
8

15
8

4

4

This musical score page contains a system of ten staves, numbered 348 at the top left. The staves are labeled from top to bottom: Bass Clarinet 1, Bass Clarinet 2, Percussion S, Percussion 1, Percussion 2, Sines, Accord., Violin 1, and Violin 2. The page number 49 is located in the top right corner. The score begins with a measure in 15/8 time, indicated by a 15 over an 8. This is followed by eight measures in 4/4 time, indicated by a 4 over a 4. The bass clarinet parts (staves 1 and 2) consist primarily of horizontal lines with vertical stems, suggesting sustained notes or rests. The percussion parts (staves 3 through 6) feature intricate rhythmic patterns using various note heads and stems. Dynamic markings 'ff' (fortissimo) are placed under the first two measures of both Percussion 1 and Percussion 2 staves. The Sines and Accord. parts are represented by thick black horizontal lines across all measures. Violin 1 and Violin 2 also have thick black lines across the measures, indicating they are silent or playing a very low note.

50

355

2

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

2

slowly retune to 394

Vln. 1

Vln. 2

364

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

This musical score page contains six systems of music, each with a different instrument or group of instruments. The instruments include Bass Clarinet 1, Bass Clarinet 2, Percussion S, Percussion 1, Percussion 2, Sines, Accord., Violin 1, and Violin 2. The score is set in a 5/8 time signature throughout. The music consists of 16 measures, divided into four groups of four measures each by vertical bar lines. Measure 1 starts with a quarter note for Bass Clarinet 1, followed by a quarter note for Bass Clarinet 2. Measures 2-4 show a repeating pattern of quarter notes for both bass clarinets. Measures 5-8 show a more complex pattern with eighth-note groups and rests. Measures 9-12 show a return to the simpler quarter-note pattern. Measures 13-16 show a final complex pattern before a repeat sign. The score uses various dynamic markings such as accents and slurs. The bass clef is used for all staves, and the vocal range is indicated by the soprano clef. The score is numbered 364 at the top left and page 51 at the top right.

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

This musical score page contains nine staves. The top two staves are for Bassoon 1 and Bassoon 2, both of which are currently empty. The third staff is for Percussion S, the fourth for Percussion 1, and the fifth for Percussion 2. These three percussion staves feature eighth-note patterns with dynamic markings such as 'v' (soft), '*' (fortissimo), '>' (staccato), and '.' (long duration). The sixth staff is for 'Sines', which consists of four horizontal black lines representing sine waves. The seventh staff is for 'Accord.', indicated by a brace over two staves: one in treble clef and one in bass clef. Both of these staves are also empty. The eighth staff is for Violin 1 (Vln. 1) and the ninth staff is for Violin 2 (Vln. 2). Both violin staves show single vertical lines on every other staff line, indicating sustained notes.

378

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

This musical score page contains ten staves. The first two staves are for Bass Clarinet 1 and Bass Clarinet 2, both of which are currently empty. The third staff is for Percussion S, featuring a pattern of eighth-note pairs with stems pointing in opposite directions and occasional rests marked with a diagonal line. The fourth staff is for Percussion 1, showing a similar pattern but with some eighth-note pairs having stems pointing up. The fifth staff is for Percussion 2, also with eighth-note pairs and stem directions. The sixth staff is for Sines, consisting of five blank staves. The seventh staff is for Accord., indicated by a brace over two staves, both of which are blank. The eighth staff is for Violin 1, and the ninth staff is for Violin 2, both of which are also blank. Measure numbers 378 and 53 are present in the top right corner.

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

This musical score page contains nine staves. The first two staves, 'B. Cl. 1' and 'B. Cl. 2', are silent. The next three staves, 'Perc. S', 'Perc. 1', and 'Perc. 2', feature rhythmic patterns consisting of vertical stems with '+' or '-' signs above them, indicating dynamic levels. The 'Sines' staff is silent. The 'Accord.' staff is grouped by a brace and is also silent. The final two staves, 'Vln. 1' and 'Vln. 2', are silent. Measure numbers 1 through 6 are present at the top of the page, with measure 7 through 12 indicated below them. The tempo is marked as 384.

391

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

3

5

5

tam tam +

mp

5

5

5

5

3 in tune to the end

5
11
5
7
9
5
5

This musical score page contains ten staves of music. The top two staves are for Bass Clarinet 1 and Bass Clarinet 2. The next three staves are for Percussion S, Percussion 1, and Percussion 2. The fifth staff is for Sines, and the sixth staff is for Accord. The bottom two staves are for Violin 1 and Violin 2. Measure 5 starts with a forte dynamic. Measure 8 begins with a piano dynamic. Measures 9 and 10 show sustained notes for Accord. and Sines. Measure 11 concludes the section with a forte dynamic.

56

400

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

This musical score page contains nine staves. The top two staves are for Bass Clarinet 1 and Bass Clarinet 2, both in treble clef, with a tempo of 400 indicated above them. The third staff is for Percussion S, featuring a pattern of eighth-note pairs. The fourth staff is for Percussion 1, with dynamics '+' and '-' and performance instructions 'x' and 'y'. The fifth staff is for Percussion 2, also with dynamics '+' and '-' and performance instructions 'x' and 'y'. The sixth staff is for Sines, represented by three thick horizontal black lines. The seventh staff is for Accord., represented by two staves: one in treble clef and one in bass clef, grouped together by a brace. The bottom two staves are for Violin 1 and Violin 2, both in treble clef. Various performance instructions such as '+', '−', 'x', and 'y' are placed on specific notes or rests across the staves.

411

B. Cl. 1

B. Cl. 2

Perc. S

+ brake drum + > + > + > + >

Perc. 1

x - x > x > x > x > x > x > x

Perc. 2

- - + > + > + > + > + > +

Sines

Accord.

Vln. 1

Vln. 2

This musical score page contains nine staves. The first two staves are for Bass Clarinet 1 and Bass Clarinet 2, both of which are currently empty. The third staff is for Percussion S, featuring a continuous eighth-note pair pattern. The fourth staff is for Percussion 1, and the fifth staff is for Percussion 2, both of which also play eighth-note pairs. The sixth staff is for Sines, the seventh for Accord., and the eighth and ninth for Violin 1 and Violin 2 respectively, both of which are blank. Measure numbers 411 are indicated at the top left, and page number 57 is at the top right. Various performance instructions like '+', 'x', and '>' are placed above certain notes in the percussion staves.

58

422

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

This musical score page contains nine staves. The first two staves are for Bass Clarinet 1 and Bass Clarinet 2, both in treble clef. The next three staves are for Percussion, labeled Percussion S, Percussion 1, and Percussion 2, each with unique rhythmic patterns involving various symbols like '+' and '>'. The fifth staff is for Sines, represented by four horizontal black lines. The sixth staff is for Accord., which has two parts: a treble clef part and a bass clef part, both indicated by a brace. The final two staves are for Violin, labeled Violin 1 and Violin 2, both in treble clef. The score includes dynamic markings such as *ff* (fortissimo) and *ff* (fotissimo). Time signatures are indicated above the staves: $\frac{5}{4}$, $\frac{4}{4}$, $\frac{5}{4}$, $\frac{4}{4}$, $\frac{5}{4}$, $\frac{4}{4}$, $\frac{5}{4}$, $\frac{4}{4}$, and $\frac{5}{4}$.

428

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

This musical score page contains eight staves of music. The top two staves are for Bass Clarinet 1 and Bass Clarinet 2, both playing sustained notes. The next three staves are for Percussion parts: Percussion S, Percussion 1, and Percussion 2, which play various rhythmic patterns with grace notes and dynamic markings like '+' and 'v'. The following two staves are for Sines and Accord., both of which are mostly silent. The bottom two staves are for Violin 1 and Violin 2, both playing sustained notes. The page number 59 is in the top right corner, and the measure number 428 is at the top left.