

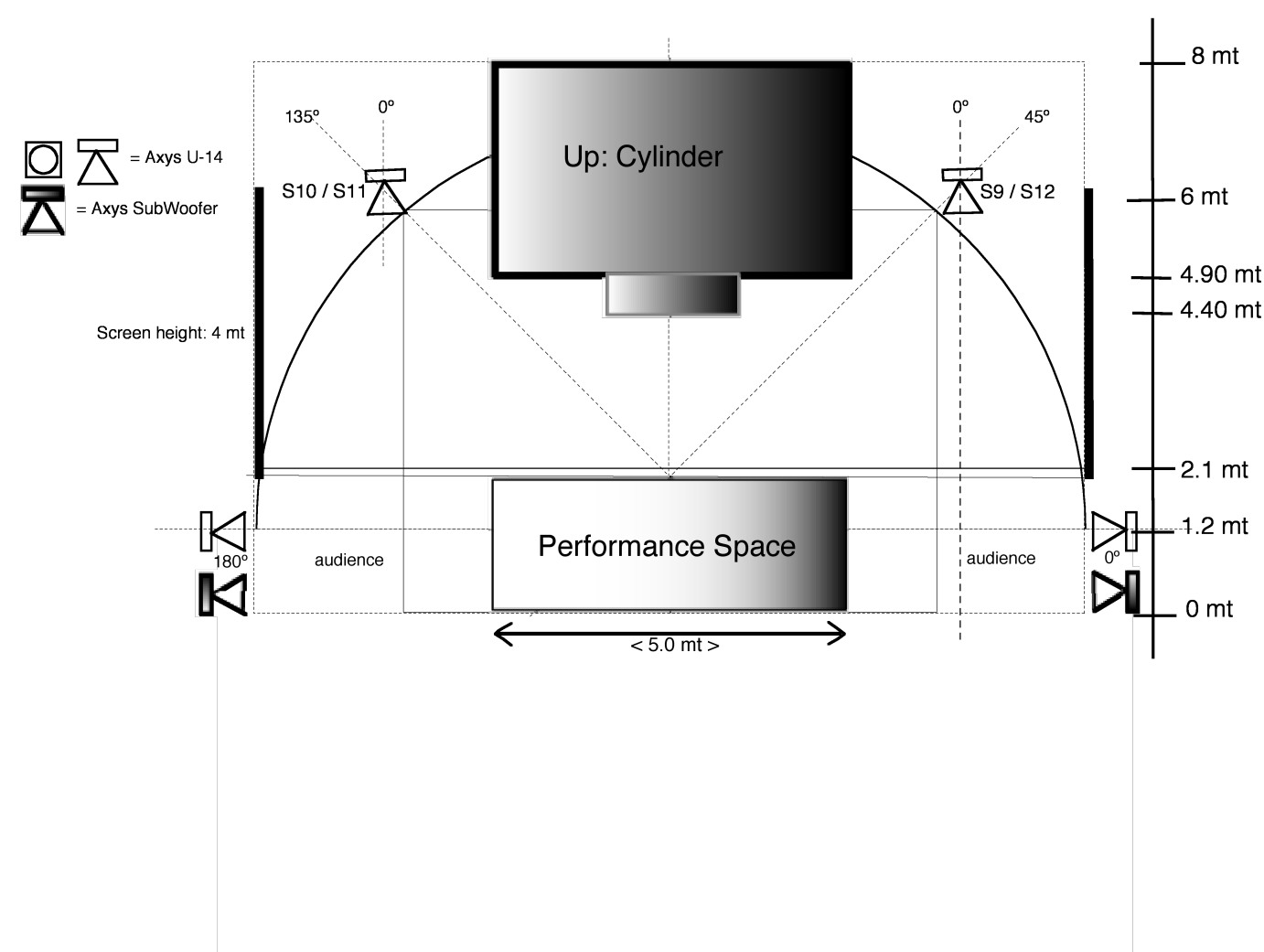
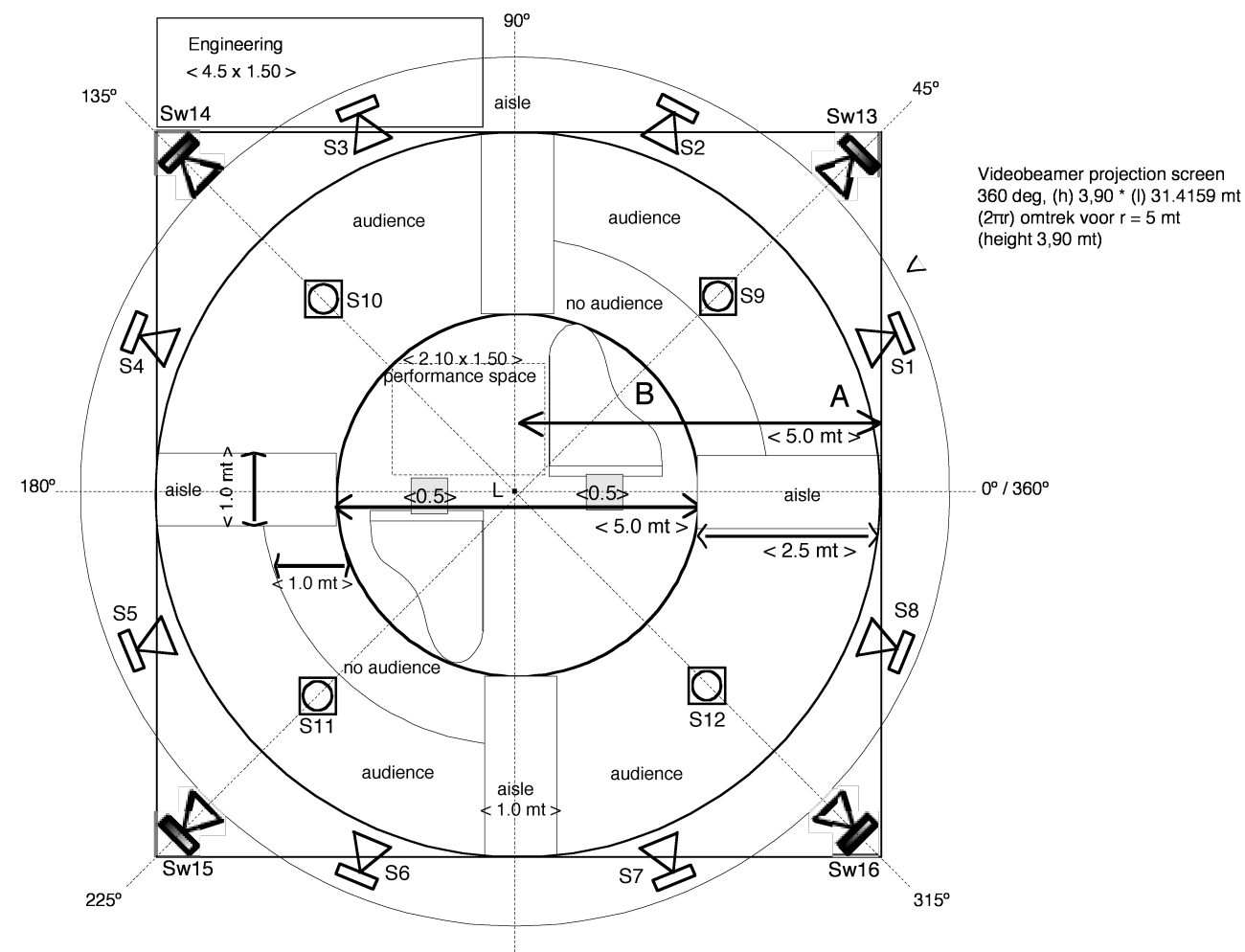
Cyclotron

An electronic music theatre production for 2 pianists 3D surround sound, 360° surround video projection and 'live' computers

Music: Michèl Koenders - 2006 total play time: ca. 60 mins. Version: 3:58:50 PM Tuesday, April 3, 2007 [Filename]

All additional technical drawings, live (Max/MSP/C) software: Michèl Koenders © 2006 - michelk@wxs.nl

Commisioned by: Het Fonds voor de Scheppende Toonkunst.

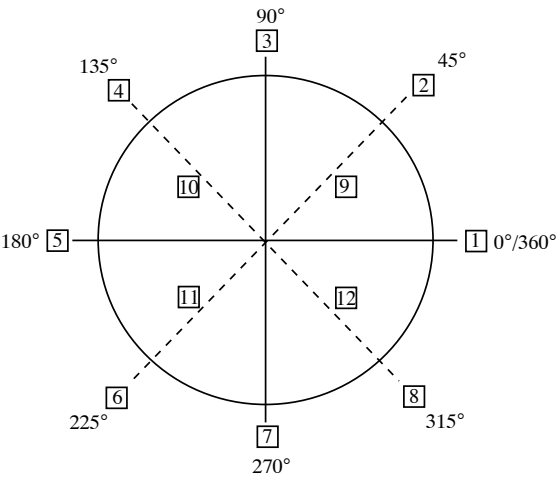


Cyclotron, Part I - Introduction

Mich l Koenders

3:58:51 PM Tuesday, April 3, 2007 [Filename]

12 channel tape solo



Cyclotron Speaker Setting

♩ = 60 (1 bar = 5 secs.: ♩ = 1 Sec.)

Score layout for Cyclotron, Part I - Introduction. The score is organized into tracks: Piano 1, Max/MSP 1, Piano 2, Max/MSP 2, Tape/Audio, Video Tape, Video Live, Light, and Choreography. The time axis ranges from 00:00 to 01:00.

Piano 1 and Piano 2: Both are in 5/4 time. The notation shows a series of notes and rests across the staves.

Max/MSP 1 and Max/MSP 2: These tracks show a series of notes and rests, likely representing MIDI data or software-generated sounds.

Tape/Audio: This track contains various audio elements and dynamics. Key annotations include:

- Ambisonic Lab Sounds [1 - 12]
- Small Accents
- 5 Sudden shifts
- Start slow movement
- Heavy Granular processing
- Move to [1 - 12], Move to [9], Move to [3]
- Dynamics: *pppp*, *ff*, *subito pp*, *f*, *pp*, *ff*

Video Tape and Video Live: These tracks show a series of notes and rests, likely representing video data or software-generated video.

Light: This track shows a series of notes and rests, likely representing light data or software-generated light.

Choreography: This track shows a series of notes and rests, likely representing choreography data or software-generated choreography.

Cyclotron, Part I - Introduction

Score for Cyclotron, Part I - Introduction, featuring Pia. 1, Pia. 2, msp 1, msp 2, T/A, VT, VL, Li, and Chrg.

Section 1 (01:05 - 02:00):

- Pia. 1:** Treble and Bass clefs, 5/4 time signature. Measure numbers 15 and 20 are indicated.
- msp 2:** Treble and Bass clefs, 5/4 time signature.
- T/A:** Treble and Bass clefs, 5/4 time signature. Includes annotations: "Start slow movement", "Split Sound [9 - 12]", "Crossfade with Rolling Ball Sound", "Strong irr. accents", "Static Sounds - no movement", "Loud Ball in Bowl Smack Sound", "Changing the lights".
- Chrg:** Time markers from 01:05 to 02:00.

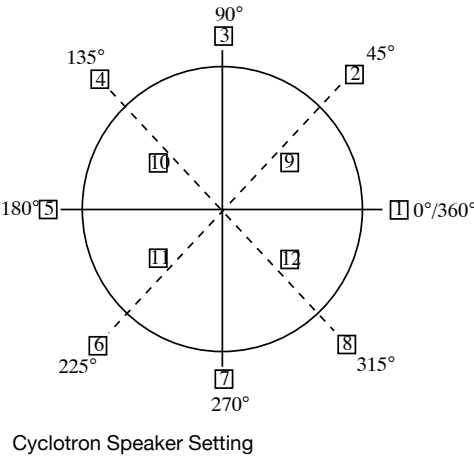
Section 2 (02:05 - 03:00):

- Pia. 1:** Treble and Bass clefs, 5/4 time signature. Measure numbers 25, 30, and 35 are indicated.
- msp 2:** Treble and Bass clefs, 5/4 time signature.
- T/A:** Treble and Bass clefs, 5/4 time signature. Includes annotations: "Rolling Ball Snd", "poco a poco accel.", "Move to Centre", "Loud Ball in Bowl Smack Sound", "Granular Time stretching and spreading of the Snd", "Entrance Pia 1".
- Chrg:** Time markers from 02:05 to 03:00.

Cyclotron, Part II - The Game: Bouncing Ball II

Mich l Koenders

3:59:43 PM Tuesday, April 3, 2007 [Filename]



♩ = 40 Circa 1 minute. (= 1'12) ----- ♩ = 60

Piano 1

Max/MSP 1

Piano 2

Max/MSP 2

Tape/Audio

Video Tape

Video Live

Light

Choreography

Inside Piano

Drop Metal Ball on String

Take Metal Ball from String

Put Metal Ball on String

Srape with plectrum along the string

Patch no 1 Scene 2: Harmonizing

Crossfade with Tape

Tape ends at: 03'35

mf

ff

pp

ff

mf

l.v.

l.v.

l.v.

Cyclotron, Part II - The Game: Bouncing Ball II

Score for Cyclotron, Part II - The Game: Bouncing Ball II. The score is divided into two systems, each containing staves for Pia. 1, msp 1, Pia. 2, msp 2, T/A, VT, VL, Li, and Chrg.

System 1 (Measures 15-25):

- Pia. 1:** Measures 15-25. Dynamics: *mf*, *ff*, *f*, *mf*, *f*, *ff*. Includes markings: *ord.*, *8va*, *(ord.)*, *mf*, *f*, *ff*, *4:3*, *L.H.*
- msp 1:** Measures 15-25. Dynamics: *mf*, *f*. Includes markings: *8va*, *Rea*, *mf*, *f*.
- Pia. 2:** Measures 15-25. Dynamics: *ff*, *mf*. Includes markings: *5*, *l.v.*, *Put Metal Ball on String*, *Take Metal Ball from String*, *ord.*, *f*, *mf*, *Inside Piano*, *Scrape with plectrum along the string*, *Use of pedal*.
- msp 2:** Measures 15-25. Dynamics: *ff*, *f*. Includes markings: *8va*, *Rea*, *f*, *8vb*.
- T/A, VT, VL, Li, Chrg:** Empty staves.

System 2 (Measures 30-35):

- Pia. 1:** Measures 30-35. Dynamics: *f*, *mf*, *mf*, *ff*, *f*, *mf*, *f*, *p*, *ff*, *mf*. Includes markings: *8va*, *3*, *5*, *L.H.*, *8vb*, *S P*, *8va*, *35*, *8va*, *mf*, *p*.
- msp 1:** Measures 30-35. Dynamics: *mf*, *p*, *mf*, *f*, *ff*, *mf*, *p*. Includes markings: *8va*, *Rea*, *8vb*, *ff*, *mf*, *p*.
- Pia. 2:** Measures 30-35. Dynamics: *ff*, *mf*, *ff*, *mf*, *p*, *f*, *mf*, *p*. Includes markings: *15^{ma} poco a pocitrem.*, *ord.*, *3*, *8va*, *15^{ma}*, *3*, *l.v.*, *ff*, *ord.*, *Inside Piano*, *l.v.*, *8va*, *mf*, *p*.
- msp 2:** Measures 30-35. Dynamics: *ff*, *mf*, *p*, *f*, *mf*, *p*. Includes markings: *8vb*, *ff*, *mf*, *p*, *f*, *Rea*, *p*.
- T/A, VT, VL, Li, Chrg:** Empty staves.

Cyclotron, Part II - The Game: Bouncing Ball II

Cyclotron, Part II - The Game: Bouncing Ball II

Tempo: ♩ = 60

Score for Pia. 1, msp 1, Pia. 2, msp 2, T/A, VT, VL, Li, and Chrg.

Pia. 1: Treble and Bass staves. Includes dynamics: *mp*, *p*, *mf*, *ff*, *mf*, *p*, *mp*. Performance notes: "R.H.", "Catch sound with pedal".

msp 1: Treble and Bass staves. Includes dynamics: *mf*, *ff*, *f*, *mp*, *p*, *mp*. Performance notes: "poco a poco trem.", "ppp".

Pia. 2: Treble and Bass staves. Includes dynamics: *mp*, *p*, *mf*, *sfz*, *mf*, *p*, *mp*, *p*, *mp*. Performance notes: "poco a poco trem.", "ppp".

msp 2: Treble and Bass staves. Includes dynamics: *mp*, *p*, *mf*, *sfz*, *mf*, *p*, *mp*, *p*, *mp*. Performance notes: "poco a poco trem.", "ppp".

T/A: Treble staff. Includes dynamics: *mp*, *p*, *mf*, *sfz*, *mf*, *p*, *mp*, *p*, *mp*.

VT: Treble staff. Includes dynamics: *mp*, *p*, *mf*, *sfz*, *mf*, *p*, *mp*, *p*, *mp*.

VL: Treble staff. Includes dynamics: *mp*, *p*, *mf*, *sfz*, *mf*, *p*, *mp*, *p*, *mp*.

Li: Treble staff. Includes dynamics: *mp*, *p*, *mf*, *sfz*, *mf*, *p*, *mp*, *p*, *mp*.

Chrg: Treble staff. Includes dynamics: *mp*, *p*, *mf*, *sfz*, *mf*, *p*, *mp*, *p*, *mp*.

The musical score is for a piece titled "The Rose Tree". It features a vocal line (Vocal) and a piano accompaniment (Pia. 1, Pia. 2). The score is written for a full orchestra, including strings (T/A, VT, VL, Li) and a choir (Chrg). The tempo is marked "Allegretto" and the key signature is one sharp (F#).

The score is divided into two systems. The first system contains measures 1 through 10, and the second system contains measures 11 through 20. The tempo changes from "Allegretto" to "Allegretto" (indicated by a double bar line and the word "Allegretto" again) at measure 11.

The vocal line (Vocal) is written in a single staff. The piano accompaniment (Pia. 1, Pia. 2) is written in two staves. The strings (T/A, VT, VL, Li) are written in four staves. The choir (Chrg) is written in a single staff.

The score includes various musical notations, including notes, rests, and dynamic markings (mf, p, f, mp). It also includes a key signature change from one sharp to one sharp (F#) at measure 11.

Cyclotron, Part II - The Game: Bouncing Ball II

[illegible]

65 **Inside Piano**

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

Cyclotron, Part II - The Game: Bouncing Ball II

The musical score is for "Cyclotron, Part II: The Game: Looking Back II" by John Adams. It is a string quartet score, with parts for Pia. 1, msp 1, Pia. 2, and msp 2. The score is in 3/4 time and features complex rhythmic patterns, including sixteenth and thirty-second notes, and dynamic markings such as p, mf, f, pp, and sfz. The score is divided into measures, with some measures containing multiple staves for different instruments. The score is written for a string quartet, with parts for Pia. 1, msp 1, Pia. 2, and msp 2. The score is in 3/4 time and features complex rhythmic patterns, including sixteenth and thirty-second notes, and dynamic markings such as p, mf, f, pp, and sfz. The score is divided into measures, with some measures containing multiple staves for different instruments.

85

Pia. 1

p

ff

mf

R.H.

f

mf

msp 1

Inside Piano

mp

Scrape with plectrum along the string

ff

ord.

mp

p

f

mp

f

poco a poco trem.

15^{ma}

8^{va}

T/A

VT

VL

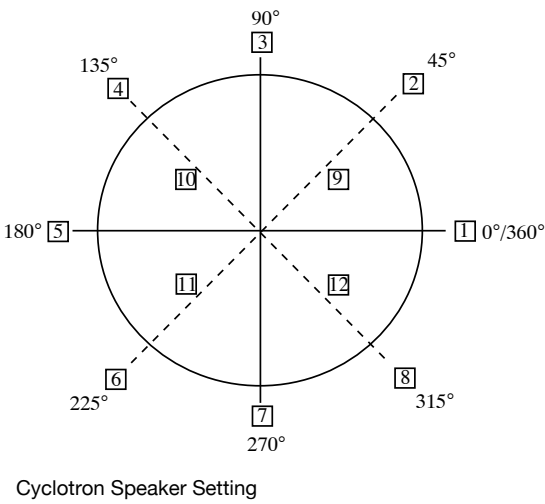
Li

Chro

Cyclotron: Part III - The Question

Mich l Koenders

4:00:38 PM Tuesday, April 3, 2007 [Filename]



Tempo: ♩ = 120 (rit.) → ♩ = 60

Instrumentation: Piano 1, Max/MSP 1, Piano 2, Max/MSP 2, Tape/Audio, Video Tape, Video Live, Light, Choreography

Score Details:

- Piano 1:** 4/4 time. Dynamics include *ff*, *f*, *p*, *f*, *mf*, *mf*. Includes a trill (3) and a *loco* section.
- Max/MSP 1:** 4/4 time. Dynamics include *ff*, *f*, *ff*, *f*. Includes a *loco* section.
- Piano 2:** 4/4 time. Dynamics include *f*, *ff*, *mp*, *loco*, *mf*, *f*, *ff*, *p*, *mf*, *mp*, *f*, *ff*, *loco*, *f*, *ff*, *mf*. Includes a *loco* section.
- Max/MSP 2:** 4/4 time. Dynamics include *mp*, *f*, *mp*, *ff*, *f*, *ff*, *f*, *ff*, *f*, *ff*, *mf*. Includes a *loco* section.

Other Tracks: Tape/Audio, Video Tape, Video Live, Light, and Choreography tracks are present but contain no notation.

Cyclotron: Part III - The Question

Tempo: $\text{♩} = 120$

Rehearsal marks: 10, 15

Performance instructions: *mf*, *p*, *f*, *accel.*, *loco*, *as accurately as possible*, *mp*, *f*, *ff*, *mf*, *Reo.*, *L.v.*

Parts: Pia. 1, msp 1, Pia. 2, msp 2, T/A, VT, VL, Li, Chrg

Tempo: $\text{♩} = 90$

Rehearsal marks: 20, 25

Performance instructions: *mf*, *mp*, *f*, *p*, *rit.*, *loco*, *as accurately as possible*, *mp*, *f*, *ff*, *mf*, *Reo.*, *L.v.*

Parts: Pia. 1, msp 1, Pia. 2, msp 2, T/A, VT, VL, Li, Chrg

Cyclotron: Part III - The Question

♩ = 105

The musical score is for 'The Great Gatsby' and includes the following tracks and elements:

- Tempo:** $\text{♩} = 105$
- Tracks:**
 - Pia. 1:** Piano 1, featuring complex melodic lines and dynamic markings (*p*, *f*, *mp*, *mf*, *p*, *f*, *ff*, *mf*).
 - msp 1:** Music Synthesizer 1, featuring a 'Patch no 2 Scene 3: convolution: CrossSynthesis' box and dynamic markings (*mp*, *p*, *f*, *mp*, *ff*).
 - Pia. 2:** Piano 2, featuring melodic lines and dynamic markings (*p*, *mf*, *mp*, *ff*, *mf*, *ff*).
 - msp 2:** Music Synthesizer 2, featuring a 'Patch no 2 Scene 3: convolution: CrossSynthesis' box and dynamic markings (*mp*, *f*, *mp*, *f*, *ff*).
 - T/A:** Tape Automation, featuring a 'Start Tape no 2, scene 3' box and dynamic markings (*pppp*, *f*).
 - VT:** Visual Track.
 - VL:** Visual Track.
 - Li:** Lyrics.
 - Chrg:** Charge.
- Annotations:**
 - 'as accurately as possible' with a 7:4 ratio.
 - 'Patch no 2 Scene 3: convolution: CrossSynthesis' box.
 - 'Start Tape no 2, scene 3' box.

Pia. 1
 Pia. 2
 msp 1
 msp 2
 T/A
 VT
 VL
 Li
 Chrg

Musical score for Pia. 1 and Pia. 2, measures 37-46. The score includes dynamic markings (p, mf, mp, pp, f), articulation (accents, slurs), and performance instructions (as accurately as possible, loco). Pia. 1 is in treble clef, and Pia. 2 is in bass clef. The score is divided into measures 37-46, with measure numbers 40 and 45 indicated. Pia. 1 has a key signature of one sharp (F#) and a time signature of 4/4. Pia. 2 has a key signature of one sharp (F#) and a time signature of 4/4. The score includes a double bar line at the beginning of measure 37 and a double bar line at the end of measure 46.

Cyclotron: Part III - The Question

as accurately as possible - - -

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

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

p *mf* *p* *mf* *p* *mf*

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

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

as accurately as possible -----

Rea.

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

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

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

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

loco *pp* *Rea.*

loco

80 85

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

Start Tape no 2.2, scene 3

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

110

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

120

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

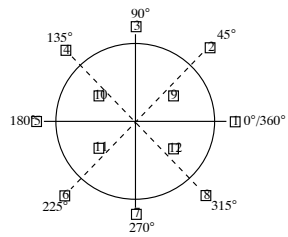
Patch no 2.3 Scene 4: convolution: CrossSynthesis

125

Cyclotron, Part IV-interlude

Michèl Koenders

4:02:57 PM Tuesday, April 3, 2007 [Filename]



Cyclotron Speaker Setting

00:00:00

♩ = **60** (1 bar = 5 secs)

00:00:30

00:01:00

00:01:30

♩ = 60 (1 bar = 5 secs)

Cyclotron Speaker Setting

2/0

0:32 Start high1.1.aif.2 snd

0:32 Start slow movement

0:14 Stop Movement

Static Sound SP8 Sudden shift -> SP1

Audio Track 1

5/4

mp

Static Sound SP1

0:42 Start snd2.aif snd

Audio Track 2

5/4

Whole Track Static Sound SP5+SP6

0:05 Start bass1.1.aif snd

0:39 Stop

0:58 Start bass2.1.aif snd

mf

Audio Track 3

5/4

Static Sound SP3

0:00 Start bass1.aif.6 snd

irr. pulses

mf

ff

Audio Track 4

5/4

Static Sound SP1

0:12 Start pinknoise3.aif snd

Start Slow movement

ppp

mf

p

f

Audio Track 5

5/4

Audio Track 6

5/4

Audio Track 7

5/4

Audio Track 8

5/4

Audio Track 9

5/4

Audio Track 10

5/4

Video Tape

Video Live

Light

Choreography

0:00 0:05 0:10 0:15 0:20 0:25 0:30 0:35 0:40 0:45 0:50 0:55 1:00 1:05 1:10 1:15 1:20 1:25 1:30 1:35 1:40

00:03:30

00:04:00

00:04:30

Static Sound SP1

3:45 Start pinknoise3.aif snd

4:23 Stop

Static Sound SP1

4:26 Start bass2.1.aif.4 snd

5:00 Stop

AT 1

Quick Sound movement

3:37 Start pinknoise3.aif snd

Stop Sound movement

4:15 Stop Sound

Static Sound SP6+SP7

4:04 Start bass2.1.aif.2 snd

5:00 Stop

AT 2

3:56 Stop

Static Sound SP3

3:57 Start bass1.aif.2 snd

5:00 Stop

AT 3

Stop movements

3:46 Stop

Static Sound SP3+SP4

3:52 Start snd1.aif.5

5:00 Stop

AT 4

Stop movement

3:44 Stop

Static Sound SP2

3:27 Start snd2.aif snd

4:35 Stop

AT 5

Static Sound SP2

3:31 Start snd4.aif snd

4:42 Stop

AT 6

Static Sound SP1

3:36 Start snd5.aif snd

3:46 Stop

3:50 Start snd5.aif snd

4:04 Stop

Static Sound SP3

4:06 Start snd5.aif snd

4:44 Stop

AT 7

Quick movement

Static Sound SP1

subito *p*

Static Sound SP1

subito *p*

AT 8

Quick movement

Static Sound SP1

subito *p*

AT 9

Start Slow movement

4:59 Stop

AT 10

Start Slow movement

5:04 Stop

VT

VL

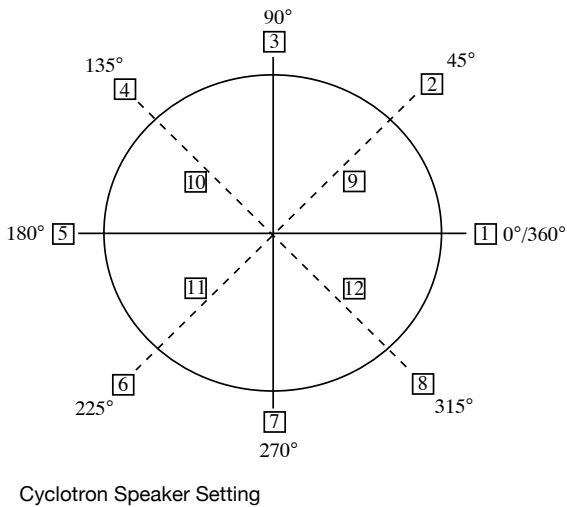
Li

Chrg

3:20 3:25 3:30 3:35 3:40 3:45 3:50 3:55 4:00 4:05 4:10 4:15 4:20 4:25 4:30 4:35 4:40 4:45 4:50 4:55 5:00

Cyclotron: Part IV-A - Micro

Mich l Koenders
4:06:08 PM Tuesday, April 3, 2007 [Filename]



8 $\text{♩} = 90$

Piano 1

Max/MSP 1

Piano 2

Max/MSP 2

Tape/Audio

Video Tape

Video Live

Light

Choreography

1 Patch no 3 Scene 4-a: Granualair Synthesis + Complex Harmonizing

2

5

10

mf f mp p f mp p poco a poco trem. pp mf

mf mp p f ff f p

pp f mf

Cyclotron: Part IV-A - Micro

[illegible]

The musical score for 'The Great Wall' by John Williams is presented for a full orchestra. The score includes parts for Pia. 1, Pia. 2, msp 1, msp 2, T/A, VT, VL, Li, and Chrg. The score is written in 4/4 time and features a variety of musical notations, including dynamics (p, f, ff, mp, mf, pp, ppf), articulation (accents, slurs), and performance instructions (l.v., ord., loco, Sudden Burst, L.H.). The score is divided into measures, with measure numbers 25 and 30 indicated. The score is written in a standard musical notation style, with notes, rests, and other musical symbols clearly visible.

Cyclotron: Part IV-A - Micro

Cyclotron: Part IV-A - Micro

Pia. 1
 8
 4/4
ff *mp* *p* *pp* *loco* *ff* *p* *ff* *f* *f*
 Play very soft and gentle
 Play vigorously
 accel.

msp 1
 4/4
 3 5
 L.H. *f* *pp* *p* *f* *ff* *loco* *ff* *mp* *ff* *f*

Pia. 2
 8
 4/4
 L.H. *f* *pp* *p* *f* *ff* *loco* *ff* *mp* *ff* *f*
 Play vigorously
 accel.

msp 2
 4/4
 3 5
 L.H. *f* *pp* *p* *f* *ff* *loco* *ff* *mp* *ff* *f*

T/A
 5

VT

VL

Li

Chrg

Cyclotron: Part IV-A - Micro

Cyclotron Part IV: A more

8 **50**

Pia. 1

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

msp 1

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

Pia. 2

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

msp 2

T/A

VT

VL

Li

Chrg

55

Pia. 1
 msp 1
 Pia. 2
 msp 2
 T/A
 VT
 VL
 Li
 Chrg

Musical score for Pia. 1 and Pia. 2, measures 60-64. The score is written for two pianos (Pia. 1 and Pia. 2) and two music staves (msp 1 and msp 2). The key signature is one sharp (F#) and the time signature is 6/4. The score includes various musical notations such as notes, rests, and dynamic markings (ff, mf, f, p, pp). Pia. 1 has a trill in measure 60 and a triplet in measure 61. Pia. 2 has a trill in measure 60 and a triplet in measure 61. The score also includes a section marked 'T' (Tutti) starting in measure 62.

Score for Cyclotron: Part IV-A - Micro, featuring multiple staves and instruments.

Staves:

- Pia. 1
- msp 1
- Pia. 2
- msp 2
- T/A
- VT
- VL
- Li
- Chrg

Key Features and Annotations:

- Tempo:** 40 and 120.
- Measure Numbers:** 65, 75, 80.
- Performance Instructions:** *loco*, *L.H.*, *S.P.*, *ord.*, *Touch string node*, *Inside Piano*.
- Dynamic Markings:** *p*, *mp*, *mf*, *f*, *pp*, *ff*.
- Articulation:** *Reo.*, *T*, *X*.
- Groupings:** *3*, *8*, *8va*.

rit. $\text{♩} = 60$ (ord.) $\text{♩} = 90$

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

8 95 *loco* 100 40

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

11

105 90 110

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

12

12

12

115

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

120

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

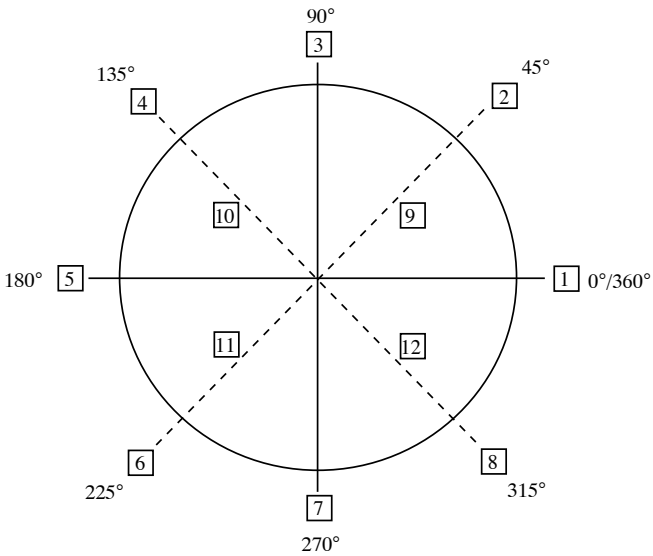
Li

Chrg

Cyclotron: Part IV-B - Macro

Mich l Koenders

4:11:16 PM Tuesday, April 3, 2007 [Filename]



Cyclotron Speaker Setting

Score for Piano 1, Max/MSP 1, Piano 2, Max/MSP 2, Tape/Audio, Video Tape, Video Live, Light, and Choreography.

Tempo: ♩ = 54

Time signature: 5/4 (Piano 1, Piano 2) and 4/4 (Max/MSP 1, Max/MSP 2).

Key signature: One sharp (F#).

Dynamic markings: *pp*, *p*, *mf*, *mp*, *f*, *ppp*, *pp*, *mp*, *f*, *mf*, *mp*, *p*, *mp*.

Performance instructions: *loco*, *Rea*, *(L.H.)*.

Score structure: 10 measures, ending with a 6/4 time signature change.

Score for Pia. 1, msp 1, Pia. 2, msp 2, T/A, VT, VL, Li, and Chrg.

Pia. 1

Measures 1-6: *mp* (measures 1-2), *mf* (measures 3-4), *mp* (measures 5-6). Measure 6 includes a first ending bracket labeled 15.

msp 1

Measures 1-6: *Loc.* (measures 1-2), *Loc.* (measures 3-4), *Loc.* (measures 5-6). Measure 6 includes a first ending bracket labeled 15.

Pia. 2

Measures 1-6: *mf* (measures 1-2), *mp* (measures 3-4), *mf* (measures 5-6). Measure 6 includes a first ending bracket labeled 15.

msp 2

Measures 1-6: *Loc.* (measures 1-2), *Loc.* (measures 3-4), *Loc.* (measures 5-6). Measure 6 includes a first ending bracket labeled 15.

T/A

Measures 1-6: *Loc.* (measures 1-2), *Loc.* (measures 3-4), *Loc.* (measures 5-6). Measure 6 includes a first ending bracket labeled 15.

VT

Measures 1-6: *Loc.* (measures 1-2), *Loc.* (measures 3-4), *Loc.* (measures 5-6). Measure 6 includes a first ending bracket labeled 15.

VL

Measures 1-6: *Loc.* (measures 1-2), *Loc.* (measures 3-4), *Loc.* (measures 5-6). Measure 6 includes a first ending bracket labeled 15.

Li

Measures 1-6: *Loc.* (measures 1-2), *Loc.* (measures 3-4), *Loc.* (measures 5-6). Measure 6 includes a first ending bracket labeled 15.

Chrg

Measures 1-6: *Loc.* (measures 1-2), *Loc.* (measures 3-4), *Loc.* (measures 5-6). Measure 6 includes a first ending bracket labeled 15.

Score for Pia. 1, msp 1, Pia. 2, msp 2, T/A, VT, VL, Li, and Chrg.

Pia. 1

Measures 7-12: *pp* (measures 7-8), *pp* (measures 9-10), *p* (measures 11-12). Measure 12 includes a first ending bracket labeled 20.

msp 1

Measures 7-12: *Loc.* (measures 7-8), *Loc.* (measures 9-10), *Loc.* (measures 11-12). Measure 12 includes a first ending bracket labeled 20.

Pia. 2

Measures 7-12: *loco* (measures 7-8), *loco* (measures 9-10), *loco* (measures 11-12). Measure 12 includes a first ending bracket labeled 20.

msp 2

Measures 7-12: *Loc.* (measures 7-8), *Loc.* (measures 9-10), *Loc.* (measures 11-12). Measure 12 includes a first ending bracket labeled 20.

T/A

Measures 7-12: *Loc.* (measures 7-8), *Loc.* (measures 9-10), *Loc.* (measures 11-12). Measure 12 includes a first ending bracket labeled 20.

VT

Measures 7-12: *Loc.* (measures 7-8), *Loc.* (measures 9-10), *Loc.* (measures 11-12). Measure 12 includes a first ending bracket labeled 20.

VL

Measures 7-12: *Loc.* (measures 7-8), *Loc.* (measures 9-10), *Loc.* (measures 11-12). Measure 12 includes a first ending bracket labeled 20.

Li

Measures 7-12: *Loc.* (measures 7-8), *Loc.* (measures 9-10), *Loc.* (measures 11-12). Measure 12 includes a first ending bracket labeled 20.

Chrg

Measures 7-12: *Loc.* (measures 7-8), *Loc.* (measures 9-10), *Loc.* (measures 11-12). Measure 12 includes a first ending bracket labeled 20.

The musical score is for a scene titled "Patch no 6 Scene 4b: OscBanks". It features several staves:

- Pia. 1:** The first piano part, featuring complex rhythmic patterns and dynamics ranging from *mp* to *f*. It includes markings for *loco* and *subito f*.
- msp 1:** The first music supervisor part, which is mostly silent with some initial notes.
- Pia. 2:** The second piano part, featuring a more melodic line with dynamics like *pp*, *p*, *mp*, and *mf*. It includes markings for *subito p* and *loco*.
- msp 2:** The second music supervisor part, which is mostly silent with some initial notes.
- T/A:** The third piano part, which is mostly silent.
- VT:** The fourth piano part, which is mostly silent.
- VL:** The fifth piano part, which is mostly silent.
- Li:** The sixth piano part, which is mostly silent.
- Chrg:** The seventh piano part, which is mostly silent.

The score includes various musical notations such as notes, rests, and dynamic markings. It also features a section labeled "Patch no 6 Scene 4b: OscBanks" which appears to be a specific musical cue or section within the scene.

The musical score for "The Rose Tree" is presented in a multi-staff format. The staves are labeled as follows:

- Pia. 1**: Piano 1, featuring a melody with triplets and dynamics like *mp* and *p*.
- msp 1**: Mezzo-soprano 1, with a sustained line and a 4/4 time signature.
- Pia. 2**: Piano 2, featuring a melody with triplets and dynamics like *mf* and *mp*.
- msp 2**: Mezzo-soprano 2, with a sustained line and a 4/4 time signature.
- T/A**: Tenor/Alto, with a sustained line.
- VT**: Violin/Trombone, with a sustained line.
- VL**: Violoncello, with a sustained line.
- Li**: Libretto, with a sustained line.
- Chrg**: Chorus, with a sustained line.

The score includes various musical notations such as triplets, dynamics (*mp*, *p*, *mf*), and articulation marks. The time signature is 4/4. The score is for a full orchestra and choir.

Cyclotron: Part IV-B - Macro

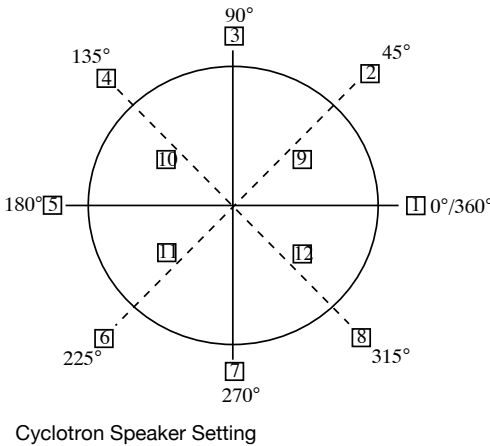
The musical score is for a piece titled "The Piano" by Philip Miller. It is a 10-minute work, as indicated by the "10 min" label in the top right corner. The score is written for a piano (Pia.) and a multi-sampled piano (msp). The piano part is divided into two staves, Pia. 1 and Pia. 2, each with a treble and bass clef. The multi-sampled piano part is divided into two staves, msp 1 and msp 2, each with a treble and bass clef. The score includes various musical notations such as treble and bass staves, time signatures, dynamics, and articulations. The piano part is marked with "Pia. 1" and "Pia. 2". The multi-sampled piano part is marked with "msp 1" and "msp 2". The score also includes a section for "T/A" (Timpani/Anvil), "VT" (Violoncello/Trombone), "VL" (Violoncello/Trombone), "Li" (Lute), and "Chrg" (Chorus). The score is written in a standard musical notation style, with a key signature of one flat (B-flat) and a time signature of 4/4. The score includes various musical notations such as treble and bass staves, time signatures, dynamics, and articulations. The piano part is marked with "Pia. 1" and "Pia. 2". The multi-sampled piano part is marked with "msp 1" and "msp 2". The score also includes a section for "T/A" (Timpani/Anvil), "VT" (Violoncello/Trombone), "VL" (Violoncello/Trombone), "Li" (Lute), and "Chrg" (Chorus). The score is written in a standard musical notation style, with a key signature of one flat (B-flat) and a time signature of 4/4.

The image displays a musical score for the film 'The Great Wall' by John Williams. The score is arranged for a large ensemble, including Piano 1 (Pia. 1), Piano 2 (Pia. 2), and various other instruments like T/A, VT, VL, Li, and Chrg. The Piano 1 part is written in treble clef with a 6/4 time signature, featuring dynamics such as *mp* and *sf*. The Piano 2 part is also in treble clef with a 6/4 time signature, featuring dynamics like *p*, *sf*, and *mp*. The score includes various musical notations such as notes, rests, and articulations, along with a rehearsal mark '70'.

Cyclotron, Part IV-C - Meso

Mich l Koenders

4:12:09 PM Tuesday, April 3, 2007 [Filename]



♩ = 110

Piano 1

Max/MSP 1

Piano 2

Max/MSP 2

Tape/Audio

Video Tape

Video Live

Light

Choreography

The musical score is written for Piano 1 and Piano 2, each with two staves (treble and bass clef). The tempo is marked as ♩ = 110. The score includes various musical notations such as notes, rests, and dynamic markings (mf, fff, p, mp, ff, f, pp, ffff). There are also performance instructions like 'loco' and '2.'. The score is divided into measures, with some measures containing repeat signs and others containing specific musical instructions. The score is presented in a multi-staff format, with Piano 1 and Piano 2 staves grouped together, and other media staves (Tape/Audio, Video Tape, Video Live, Light, Choreography) listed below.

Cyclotron, Part IV-C - Meso

The musical score is for a piece titled "The Rose Tree". It features a piano (Pia.) and a mezzo-soprano (msp.) part, with additional staves for T/A, VT, VL, Li, and Chrg. The score is written in 8/8 time and includes various musical notations such as triplets, dynamics (mf, f, p, pp, mp, sffz), and a "rit." marking. The piano part (Pia. 1 and Pia. 2) is the primary melodic line, while the mezzo-soprano part (msp 1 and msp 2) provides harmonic support. The T/A, VT, VL, Li, and Chrg. parts are currently empty.

Pia. 1
 Pia. 2
 msp 1
 msp 2
 T/A
 VT
 VL
 Li
 Chrg

25

Pia. 1

msp 1

mf

pp

f

ppp

mf

pp

mf

p

mp

pp

p

pp

p

pp

f

rit.

30

Pia. 2

msp 2

p

mf

mp

mf

f

mf

p

f

p

pp

mp

p

pp

T/A

VT

VL

Li

Chrg

35

Pia. 1

msp 1

mf

pp

mp

mf

f

p

mp

ff

mf

mp

ff

p

pp

fff

mp

p

loco

40

Pia. 2

msp 2

mp

ff

mf

mp

mf

p

fff

mp

ff

mf

ff

f

mp

ff

p

ff

ff

mp

p

ff

Patch no 4 Scene 5: Var. Delays

Patch no 4 Scene 5: Var. Delays

R.H.

L.v.

3

40

T/A

VT

VL

Li

Chrg

Cyclotron, Part IV-C - Mesc

[illegible][illegible]

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

Cyclotron, Part IV-C - Meso

100 105

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

mf *loco* *ff* *mf*

p *mf* *pp* *loco*

110 115

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

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

fffz *mf* *mf* *pp* *mf* *ppp* *pp* *mp* *mf* *p*

Cyclotron, Part IV-C - Mesc

125 *accel.* (approx. 100) ♩ = 60 *subito* 130

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

Patch no 4 Scene 5: Var. Delays

Patch no 4 Scene 5: Var. Delays

Cyclotron, Part IV-C - Meso

135

136

137

138

139

140

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

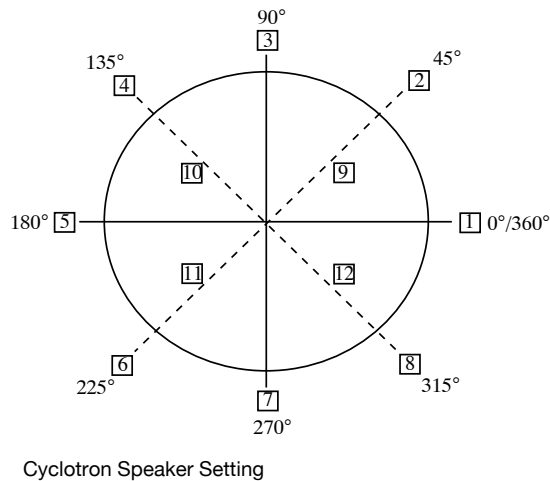
VL

Li

Chrg

Cyclotron: The Conclusion (Part IV - d)

Michèl Koenders
4:14:59 PM Thursday, February 1, 2007 [Filename]



♩ = 100

Piano 1

Max/MSP 1

Piano 2

Max/MSP 2

Tape/Audio

Video Tape

Video Live

Light

Choreography

03:00

04:10

The musical score is written for two pianos and two Max/MSP software instruments. The tempo is marked as ♩ = 100. The score is in 4/4 time. The key signature has one sharp (F#). The score includes various musical notations such as notes, rests, and dynamic markings (f, mf, ff, p). The Max/MSP tracks show signal processing and control data. The bottom tracks (Tape/Audio, Video Tape, Video Live, Light, Choreography) are empty. The score is divided into measures, with some measures containing multiple staves. The score ends at 04:10.

Cyclotron: The Conclusion (Part IV - d)

04:10

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

04:40

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

Cyclotron: The Conclusion (Part IV - d)

4

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

05:04

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

05:26

Score for Cyclotron: The Conclusion (Part IV - d), page 5. The score is divided into two systems, each containing staves for Pia. 1, msp 1, Pia. 2, msp 2, T/A, VT, VL, Li, and Chrg.

System 1 (Measures 60-70):

- Pia. 1:** Treble clef, key of D major. Measures 60-65 show a melodic line with dynamics *mf*, *ff*, and *f*. Measure 65 is marked with a box containing 65. Measures 66-70 show a sustained note with *loco* and *mf* dynamics.
- msp 1:** Bass clef. Measures 60-65 show a sustained note with *loco* and *mf* dynamics. Measure 65 is marked with a box containing 65.
- Pia. 2:** Treble clef, key of D major. Measures 60-65 show a melodic line with dynamics *mf*, *ff*, and *f*. Measure 65 is marked with a box containing 65. Measures 66-70 show a sustained note with *loco* and *mf* dynamics.
- msp 2:** Bass clef. Measures 60-65 show a sustained note with *loco* and *mf* dynamics. Measure 65 is marked with a box containing 65.
- T/A, VT, VL, Li, Chrg:** Empty staves.

System 2 (Measures 70-80):

- Pia. 1:** Treble clef, key of D major. Measures 70-75 show a melodic line with dynamics *mf*, *f*, *ff*, and *loco*. Measure 75 is marked with a box containing 75. Measures 76-80 show a sustained note with *loco* and *mf* dynamics.
- msp 1:** Bass clef. Measures 70-75 show a sustained note with *loco* and *mf* dynamics. Measure 75 is marked with a box containing 75. Measures 76-80 show a sustained note with *loco* and *mf* dynamics.
- Pia. 2:** Treble clef, key of D major. Measures 70-75 show a melodic line with dynamics *mp*, *mf*, *ff*, and *loco*. Measure 75 is marked with a box containing 75. Measures 76-80 show a sustained note with *loco* and *mf* dynamics.
- msp 2:** Bass clef. Measures 70-75 show a sustained note with *loco* and *mf* dynamics. Measure 75 is marked with a box containing 75. Measures 76-80 show a sustained note with *loco* and *mf* dynamics.
- T/A, VT, VL, Li, Chrg:** Empty staves.

Time markers: 05:48 (measure 70), 06:10 (measure 80), 06:32 (measure 90).

The image displays a musical score for two piano parts, Pia. 1 and Pia. 2, and their corresponding msp (musical score part) parts. The score is written in G major (one sharp) and 4/4 time. Pia. 1 and Pia. 2 are in treble clef, while msp 1 and msp 2 are in bass clef. The score includes various dynamics such as *ff* (fortissimo), *mp* (mezzo-piano), *mf* (mezzo-forte), and *ord.* (ordinario). It also features articulations like *loco* (loco), *gliss.* (glissando), and *ord.* (ordinario). The score is divided into measures, with some measures containing multiple notes and rests. The score is presented in a standard musical notation format, with notes, rests, and dynamic markings clearly visible.

95

100

06:54

Pia. 1

msp 1

Pia. 2

msp 2

T/A

VT

VL

Li

Chrg

07:16

Cyclotron: The Conclusion (Part IV - d)

♩ = 70

Cyclotron: The Conclusion (Part IV a)

Tempo: ♩ = 70

Score for Pia. 1, msp 1, Pia. 2, msp 2, T/A, VT, VL, Li, and Chrg.

Measures 105 to 110 are marked. Pia. 1 and msp 1 have dynamic markings: *loco*, *mf*, *f*, *ff*, *f*, *f*, *mf*. Pia. 2 has a *loco* marking. T/A, VT, VL, Li, and Chrg. are marked with *loco*.

Rehearsal marks: Patch no ? Scene 7: Var. Delays.

[illegible]

The image shows a musical score for a production. The score is divided into several staves, each representing a different role or instrument. The staves are labeled as follows:

- Pia. 1**: Piano 1, featuring a treble and bass clef staff with musical notation including notes, rests, and dynamics like *loco* and *p*.
- msp 1**: Mezzo-soprano 1, featuring a bass clef staff with musical notation including notes, rests, and dynamics like *loco* and *p*.
- Pia. 2**: Piano 2, featuring a treble and bass clef staff with musical notation including notes, rests, and dynamics like *loco* and *p*.
- msp 2**: Mezzo-soprano 2, featuring a bass clef staff with musical notation including notes, rests, and dynamics like *loco* and *p*.
- T/A**: Tenor/Alto, featuring a single staff with musical notation including notes, rests, and dynamics like *loco* and *p*.
- VT**: Violin/Trombone, featuring a single staff with musical notation including notes, rests, and dynamics like *loco* and *p*.
- VL**: Violin/Lute, featuring a single staff with musical notation including notes, rests, and dynamics like *loco* and *p*.
- Li**: Lute, featuring a single staff with musical notation including notes, rests, and dynamics like *loco* and *p*.
- Chrg**: Chorus, featuring a single staff with musical notation including notes, rests, and dynamics like *loco* and *p*.

The score includes various musical notations such as notes, rests, and dynamics. The time signature is 4/4. The score is divided into measures by vertical bar lines. The score is written in a standard musical notation style.

Part II 00:02:00 00:02:30 Part III 00:03:00

AT 1 Static Sound SP4+SP5 Start Bull Roarer MONO.aif.28 2:20 Stop Static Sound SP4+SP5 Start Bull Roarer MONO.aif.28 2:42 Stop Static Sound SP4+SP5 Start Bull Roarer MONO.aif.6 2:54 Stop Static Sound SP4+SP5 Start Bull Roarer MONO.aif.26 3:15 Stop

AT 2 Static Sound SP8 Start Bull Roarer MONO.aif.10 2:15 Stop Static Sound SP8 Start Bull Roarer MONO.aif.29 2:42 Stop Static Sound SP8 Start Bull Roarer MONO.aif.6 3:01 Stop Static Sound SP8 Start Bull Roarer MONO.aif.26 3:15 Stop

AT 3 Static Sound SP1+SP2 Start Bull Roarer MONO.aif.14 2:20 Stop Static Sound SP1+SP2 Start Bull Roarer MONO.aif.6 2:54 Stop Static Sound SP1+SP2 Start Bull Roarer MONO.aif.26

AT 4 Static Sound SP1 Start Bull Roarer MONO.aif.6 2:14 Stop Static Sound SP1 Start Bull Roarer MONO.aif.26 2:55 Stop

AT 5 Static Sound SP3 Start Screams 49.aif 2:16 Stop Static Sound SP3 Start Screams 49.aif 2:57 Stop

AT 6 Static Sound SP1+SP8 Start train 65.aif 2:10 Stop Static Sound SP1+SP8 Start crowd 34.aif 2:48 Stop Static Sound SP1+SP3+SP5 Start 49 Audio Track.L.out

AT 7 Static Sound SP1+SP3+SP5 Start train 65.aif 2:10 Stop Static Sound SP2+SP3 Start guns 73.aif 2:50 Stop

AT 8 Static Sound SP1+SP3+SP5 Start train 65.aif 2:10 Stop Static Sound SP2+SP3 Start guns 73.aif 2:50 Stop

VT

VL

Li

Chrg

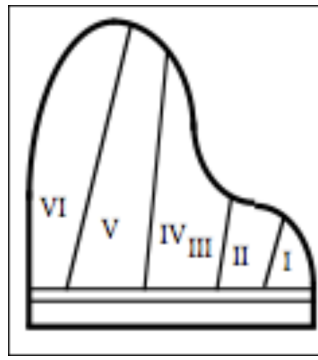
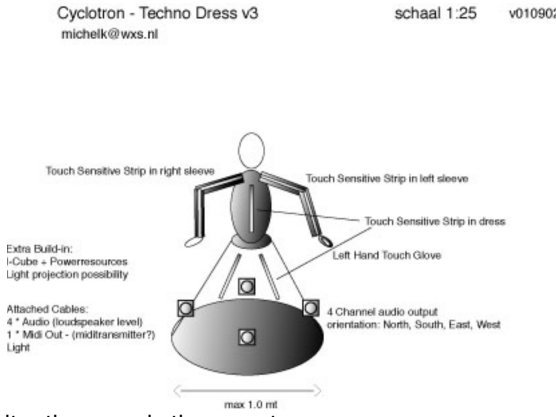
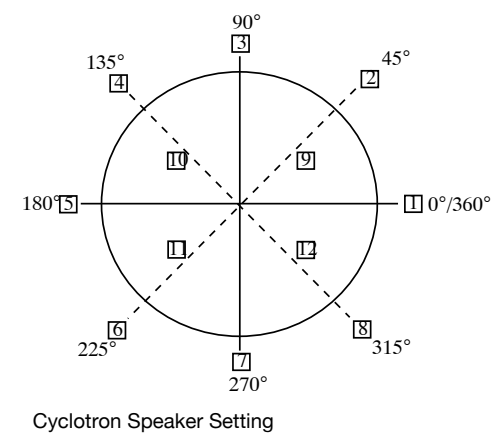
1:40 1:45 1:50 1:55 2:00 2:05 2:10 2:15 2:20 2:25 2:30 2:35 2:40 2:45 2:50 2:55 3:00 3:05 3:10 3:15 3:20

Cyclotron, Part VI - The Touch (TDress)

For 2 Dresses with built in MIDI touch sensitive strips

Mich l Koenders

4:17:53 PM Tuesday, April 3, 2007 [Filename]



- Use small chains
- Use chinese metal balls
- Use guitar slide
- Use Wirebrushes
- Use soft mallets

Register notation is used for all piano parts.
The precise registers depends on the actual inside framework of the piano

♩ = 60 (1 bar = 5 secs.: ♩ = 1 Sec.)

The two players are using - most of the time - the touch-sensitive strips on their dresses to alter the sounds they create - at the same time - inside the piano

00:00:00

00:00:30

00:01:00

Part I

Inside the piano

Use small chains - Take small chains in left hand play irregular with short sudden movements

Slide to other registers

lv.

(Slide...)

ff

lv.

mp

ff

lv.

Block pedal !

Play touch-strip Dress II Left Arm Right Arm Front

Back of other player Left Leg Right Leg

Change to right arm

Change to left arm

Inside the piano

Play irregular with short sudden movements

Throw chains on strings

Start Mult. Delay Lines + Ambisonic Sound movement

poco a poco accel. movements

Use short delay times

Block pedal !

Dress I

I II III IV V VI

Piano I

Tape I

Play touch-strip Dress II Left Arm Right Arm Front

Back of other player Left Leg Right Leg

Piano II

Tape II

Max/MSP

Video Live

Light

Choreography

00:00:00

00:00:30

00:01:00

Part III

00:03:00

00:03:30

00:04:00

Quick pressure changes

D-I

Pia-I

T-I

Inside the piano

Use Wirebrushes

Knock on wood: use as in a 'rimshot'
Mix with normal use of wirebrushes

mf p

f

lv. Ord. Use Wirebrushes

Move slowly to the end of the string

Pull string
Ord.

f mp

p

pp

Quick pressure changes

D-II

Pia-II

T-II

Inside the piano

Use Wirebrushes

(Ord. on string)

Play before 'Bridge' in piano

pp

mp

f

lv. sfz

mf

f pp

Scrape Strings

(Ord. on string)

Play before 'Bridge' in piano

p

pp

Use static delay times

Use dynamic delay times

M/M

V.L.

Li.

Chrg

00:03:00

00:03:30

00:04:00

Part IV

00:04:30

Use Left Leg

Use Left arm

Just let the sound fadeout

D-I

Pia-I

T-I

D-II

Pia-II

T-II

M/M

V.L.

Li.

Chrg

00:04:30

Use soft mallets

Use front of dress

take brushes in one hand

Processing switch

back to normal

Just let the sound fadeout

Processing switch

ppp

mp

f

fff

lv.

Cresc.

sfz

lv.

fff

mp

rimshot

Part V

7:35

□ □ □

D-I

Pia-I

T-I

D-II

Pia-II

T-II

M/M

V.L.

Li.

Chrg

Sub. damp. of the string

Knock on wood (Ord. on string)

Roll Balls on strings and make them wobble

Use right arm

Bounce ball on wood or steel frame

(Ord. on string)

Bounce Ball on strings and make them wobble

On wood: Roll Balls against strings and make them wobble

Use right arm

Use front

Use left arm

knock on wood (with ball) (Ord. on string)

Processing switch

Let the sound fadeout

Back to normal

Cresc.

Processing switch

sfz *mp* *pp* *ppp* *f* *p* *lv.* *mp* *pp* *pppp* *sfz* *lv.* *f* *lv.* *ppp* *mf* *p* *mf* *p* *sfz* *lv.*

□ □ □

