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MLUVÍCÍ TICHŮ

SILENCE Talking

2007

dedicated to Lenka Župková and Andre Bartetzki

Notes on performance

Violin Player

1. Violin is supposed to be an acoustic instrument (not electric one)
2. Violin should be amplified all the time
3. Choose two sonic resonating objects on the stage (or percussion instruments), which can be amplified, played with the top of the bow and recorded into a BUFFER

The SPIRAL

This is an iron spiral amplified with a contact microphone and played with a hand by sound engineer

Computer Patcher Block Description

1. General Audio-setup is supposed to be done in 4 audio channels.
2. Violin sound goes to the Audio Input of the PATCHER
3. There are several independent BLOCKS of the patcher as follows:

3a: applied on the violin INPUT

- pitch tracking (8 partials, 2nd through 9th) connected to 8 oscillators with ENVELOPE Follower powered by audio INPUT
- 4 voice PITCH SHIFTER
- Delay CHAIN - 8 delays connected to 4 outputs, no feedback
- Guitar DISTORTION

3b: independent sound engines

- 8 oscillators playing particular harmonies and rhythms
- GRANULAR engine (applicable on the 8 oscillators set)
- Sound BUFFER (for recording microphone input at the beginning of the piece)
- 4 channel sample player (for playing 18 pre-recorded samples)

Violin solo

$\text{♩} = 80$

(LH) pizz *p*

(LH) pizz *mf*

col legno
ricochet
behind the bridge R.

Oscillators

Different Processes

$\text{♩} = 80$

Top of the bow (see beginning)

mf

3

Vno solo

5

Osc.

5

Div.

mf

poco a poco al niente

START

3

3

3

3

3

3

3

3

STOP

BUFFER Record

Vno solo

(LH) pizz *p*

arco ord.
sul A

8va

Osc.

Div.

3

Vno solo

(8va)

pizz

f *p*

3

3

Osc.

noisy soft granulated chord (e.g. grain 30ms, density 15/s)

p

5/4

5/4

Vno solo

3

3

15

8va

Osc.

15

Div.

5/4

DELAY CHAIN 8 delays: 200-300-400-500-600-700-800-900

pp *mf* *pp*

Vno solo

(8va)

pizz

ppp *mf*

Osc.

Div.

SAMPLE 1

p *ppp*

C

Vno solo *col legno*
behind the bridge *ricochet* **f**

Osc.

Div. *mf* *Top of the bow (see beginning)*
move the spiral slightly **p**

Vno solo **Rubato** *sul G* *a tempo* **Rubato**

Osc. *sim.*

Div. PITCH Tracking: 8 oscillators, 2nd through 9th partial, envelope follower

Vno solo *a tempo* *ricochet* **f** *pizz* **mf** *pizz Bartók* **f** *arco* **p** **mf** **mf**

Osc. 25

Div. PITCH Tracking:

Vno solo

Osc.

Div.

PITCH Tracking:

Vno solo

Osc.

Div.

PITCH Tracking:

Vno solo

Osc.

Div.

Pitch tracking STOP

BUFFER PLAYBACK start

stop

mf

Delay CHAIN, 8 delays, 100m 150, 200, 250, 300, 350, 400, 450 ms

poco a poco vibr. **Deep Impact**
a tempo 5

Vno solo *p* *f* *sfz*

Osc. *8^{va}*

Div. *p* *f* **SAMPLE 2** 8 oscillators through granular engine, grains ca 30ms, envelope follower

Vno solo *f* 5 6 5 6

Osc.

Div. *sempre oscillator granulation* **SAMPLE 3** **SAMPLE 4** **SAMPLE 5**

Vno solo *poco a poco* *tr* *pizz* *ff* *mf* *p* *c*

Osc. *40* *80* *c*

Div. *sempre oscillator granulation* *Oscillators granulation fades out* *move the spiral slightly* *p* *c* **SAMPLE 6** **SAMPLE 7**

Vno solo *poco a poco sul pont.* *mf* *Softly* *sul A* *sul E* *(col legno)* *sul A* *sul E* *pizz* *espress.* *mf* 3

Osc.

Div. DELAY CHAIN fades in, 100 - 800 ms

p BUFFER playback START *poco a poco dim. al niente* *p*

Vno solo 45 *ricochet* *mf* *mf* *mf* *p* *pp* *sul G*

Osc. 45

Div. DELAY CHAIN stop PITCH SHIFT fade in -11 / 6 / 4 / 6 DELAY CHAIN fades in 500-1000 ... 4000ms

SAMPLE 8

Vno solo *poco a poco pont.* *fp* *f* *gliss* *50* *behind the bridge* *ff* *col legno* *ricochet* *pizz* *8va-1* *pizz Bartók* 5

Osc. 50

Div. *mf* PITCH SHIFT (sample 8) *mf* DELAY CHAIN SPIRAL *mf* *f*

behind the bridge *ord.* poco a poco trem. 55 poco a poco gliss

Vno solo *ff* *f*

Osc.

Div. PITCH SHIFT fade out DELAY CHAIN fade out *mf*

(turn the page, start whenever you feel to...)

Vno solo *mf* pizz *mf* pizz *col legno ricochet* 5

Osc.

Div. Top of the bow (see beginning) *p* 3 3 *pp* SAMPLE 9

60 Rush *f* *molto espress.* *subito f*

Vno solo

Osc.

Div. (SAMPLE 9) SAMPLE 10 *ff*

Vno solo *poco a poco trem.* *gliss* *ricochet* *gliss* 65 *tr*

Osc.

Div. SPIRAL *f* SAMPLE 11

Vno solo *tr* *gliss*

Osc.

Div. SPIRAL *f* *Glissando* SAMPLE 12

Vno solo *f* *tr* *gliss*

Osc.

Div. SAMPLE 13

Vno solo

70 *8va-*

f

5

ff *molto espress.*

Osc.

70

Div.

C

SAMPLE 14

DELAY CHAIN: 600 - 800 - ... 2000 ms

Vno solo

poco a poco trem.

(turn the page, start whenever you feel to...) ()

f

Agressive

Osc.

Oscillators pulsing

f

sempre

Div.

SAMPLE 15

ff

DELAY CHAIN 4 delays
250 - 500 - 750 - 1000

Vno solo

75

Osc.

Oscillators pulsing

Div.

Vno solo

Osc.

Div.

Delay chain

Vno solo

Osc.

Div.

Delay chain

8 oscillators high noises-violin like sound granulated in a random falling down glissando

Vno solo

Osc.

Div.

(sempre Delay chain)

DELAY CHAIN 8 delays *mf*
500-750-1000 ... 2250 ms

Pitch Shift -12 *mf*

mf *ff* *p*

Vno solo

Osc.

Delay

Div. Pitch Shift

move the spiral

5

gliss.

3

(sempre) 6

Vno solo

Osc.

Delay

Div. Pitch Shift

move the spiral

DISTORTION (hard, rich)

continuously increasing granulation process

polyrhythmic structure ad libitum

poco a poco trem.

4

SAMPLE 16

ff

Vno solo

Osc.

Div. (delay)

(distortion)

3

8va

96

3

Vno solo

Osc.

Div.

(delay)

(distortion)

8^{va}

gliss

3

C

C

C

Vno solo

Osc.

Div.

(delay)

(distortion)

8^{va}

poco a poco

ON the bridge

fff

mf

f

p

ppp

fff

delay chain fades out

Vno solo

10^a

8^{va}

col legno

ord.

3

15^{ma}

3

molto pont.

3

pizz (LH)

arco ord.

3

8^{va}

pizz

gliss

pp

mf

Like a folk tune

Vno solo

110

p

Vno solo

115

molto espress.

Osc.

115

4 oscillators - mild harmony, glissanding down

gliss

SAMPLE 18

p

Vno solo

espress.

p

120

120

poco a poco dim. al niente

Osc.

120

8va

cca 10s

Vno solo *mf*

Osc. *p* noisy soft granulated chord (e.g. grain 30ms, density 15/s)

poco a poco dim. al niente - - - - -

Play the violin complementary to the Buffer playback
tap the corpus of the violin

125

Vno solo *mf* *p* pizz *mf* *p* pizz

Osc.

Div. DELAY CHAIN 00-150-...450 ms

BUFFER playback

Vno solo *mf*

Osc. *poco a poco dim. al niente* - - - - -

Div. DELAY CHAIN

BUFFER