

Constantin Basica

Fromforms

for cello, live electronics, and live video

2015

A technical assistant (off-stage) is required to control the Max/Jitter patches and the Ableton Live set. Alternatively, the cellist can trigger the cues with a MIDI-pedal.

Live electronics:

- Technical requirements: 1 computer, 1 audio interface with at least 1 input and 9 outputs, 1 condenser microphone, 8 speakers (circular array) + 1 speaker hidden behind the cellist, 1 MIDI or OSC controller with sliders/knobs and buttons.
- A Max patch is provided, which generates live electronics through granular synthesis, as well as an Ableton Live set, which applies reverb on the cello's live input at specific points and plays back the surround audio files.
- The audio samples have to be recorded with the cellist prior to the performance.

Live video:

- Technical requirements: 1 computer (it can be the same as the audio computer), 1 video projector, 1 custom-made canvas screen (approx. 90" x 50").
- A Jitter patch is provided, along with 3D-object files, which generates the video in real-time.
- The screen is placed upright on the floor in front of the cellist and the video is projected from the front. The projection fills the entire screen, but does not exceed it.
- A spotlight is placed behind the cellist, creating a shadow of the performer and the instrument on the canvas screen at the indicated point in the score. The spotlight is controlled either by the technical assistant or by an additional person.

Violoncello $\text{♩} = 80$
détaché
molto sul ponticello

Video: **V1** fade-in fade-out
 (left hand pizzicato)

pp 5:4 3:2 *p pp* 5:4 *p* 6:4 *ppp* *pizz.* *p*

Electronics: reverb

V2
arco flautando
non vibrato *molto sul pont.*

pp *mp* *pp*

reverb

sul pont. 6 5 *p pp*

poco sul pont. *mp* 3:2 5:4 *pp*

V3
flaut. sul pont.
non vibr.

ppp 3:2

reverb

[V]
ord. *pizz.* *gliss.*

sf

(pizz.) *p* *f* *jeté* *p*

(pizz. Bartók)

V4
arco sul pont.
 + *(pizz. l. h.)*
pp

reverb

pizz. 5:4 3:2

V5
pizz. *ff* *p* 3:2 *sf* *mp*

arco molto vibr. *f* 3:2 *mf* *p* *ppp*

non vibr. *sul pont.*

reverb

jeté *sul pont.* **V6**
arco molto vibr.

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

mp 5:4 *f* 3:2 3:2 *p* *mf*

reverb

V7
 2 ♩ = 60 *poco accel.* (♩ = 65) *pizz.* 3:2
ord. *p* *mp* *mf* *f*

black-out *
 ♩ = 80 *arco* *molto sul pont.*
 * *pp* 5:4

V8
 ♩ = 65 *poco accel.* (♩ = 70)
ord. *p* *mp* *mf* *f* *ff*

(reverb) _____

* half flageolets
 (written pitches
 should be audible)

[V] *
 ♩ = 80 *molto sul pont.*
pp *f* *mf* *mp* *pp* *jeté*

V9
arco *molto vibr.* 5:4 6:4 3:2
p *fp* *mf* *p* ****

** quarter-tones (up/down)

mf *+* *+* *+* *+*

(reverb) _____

V10
 ♩ = 70 *ord.* *ff* *f* *mf* *+* *+*
poco accel. (♩ = 75) *slow motion*
ord. *mf* *+* *+*
sul pont. *mf*

(reverb) _____

[V] **(fast motion)** **simile**
poco accel. ♩ = 80 3

molto sul pont. *ord.* *molto sul pont.* *ord.* *molto sul pont.* *ord.*

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

gliss.

mf *mf*

(reverb)

[V]

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

arco jeté col legno *sul C* *pizz.* *arco sul pont.* *ord.*

(reverb)

[V]

jeté *sul pont.* *molto sul pont.* *ord.* *gliss.* *pizz.* *arco flaut. sul pont.* *sul tasto* *ord.*

p *ppp* *pp* *mf* *f* *p*

gliss.

DIM-IN SPOTLIGHT **SPOTLIGHT REMAINS ON**

mf *f* *p*

*Electronics: record cello

(reverb)

[VI]:

4 **Poco rubato** (♩ = 80)

pp < *mp* < *p* < *mf* *pp* < *p* > *mp* *p* < *mf* < *mp* < *mf* < *pp* < *mp* *p* < *mf* < *mp*

Electronics: playback with slow granular synthesis (hidden loudspeaker under the chair) — increase speed of granular synthesis —

(reverb)

[VI]

poco accel. ♩ = 90 ♩ = ♩.

f *p* < *mf* < *ff* > *f* < *p* < *mf* > *mp* > *p* < *pp* < *f* < *fff*

increase speed of granular synthesis —————>

(reverb)

[VI]*

Tempo giusto ♩. = 120

mf < *mp* < *f*

* Electronics: stop

poco accel. ♩. = 130

> *mf* < *ff* < *mf*

Electronics: stop

6 [V] * $\text{♩} = 100$

arco *arco sul pont.*

pizz.

pizz.

arco

pizz.

arco sul pont.

gliss.

gliss.

ord.

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

(reverb) *

V12 : : : : : video continues until the final fade-out (*) *sul C*
sul pont.
non vibr.

$\text{♩} = 130$

p

Electronics: pre-recorded samples (hidden loudspeaker)

pp

pre-recorded samples

mp

p

gliss.

gliss.

3:2

3:2

arco ord.

3:2

3:2

3:2

3:2

3:2

3:2

3:2

3:2

mp

f

mf

p

pp

sul pont.
non vibr.

reverb

begin spatialization of each voice in 8 channels

gliss.

gliss.

3:2

3:2

mp

pp

ord.

3:2

3:2

3:2

f

mf

f

pizz.

arco jeté
col legno → *sul pont.*

ff

$\text{♩} = 100$ poco accel.

*sul tasto
molto vibr.*

very fast

f

Electronics: record cello

gliss.

ff

sim.

stop

p

$\text{♩} = 60$

molto sul pont.

sub. p

molto sul pont.

fast

f

Electronics: record cello

ord.

sub. ff

stop

molto sul pont.

sub. p

*sul tasto
molto vibr.*

p

molto sul pont.

very fast

f

Electronics: record cello

sub. ff

slow

stop

molto sul pont.

p

*sul tasto
non vibr.*

rall.

multiphonic sul D
sul tasto
p → *mf*

Electronics: record cello

multiphonic sul A
sul tasto
p → *mp*

Electronics: record cello

multiphonic sul C
sul pont.
p

DIM-OUT SPOTLIGHT

approx. 40"

playback of previously recorded harmonic glissandi and multiphonics through granular synthesis

Rubato ♩ = 120

rall. ♩ = 100

rall.

vibr.

mf < *f* > *mf* < *mp* > *f* < *p* > *mf* < *p* > *pp* < *mp* > *f* < *ff* > *mp*

(reverb)

♩ = 80

[V] : : : : : *

molto rall.

flaut.

pp < *p* > *pp* < *mp* > *pp* < *mp* > *p* < *mf* > *mp* < *p* > *pp* < *ppp* >

(reverb)

fade out