

daniel verasson

teikning

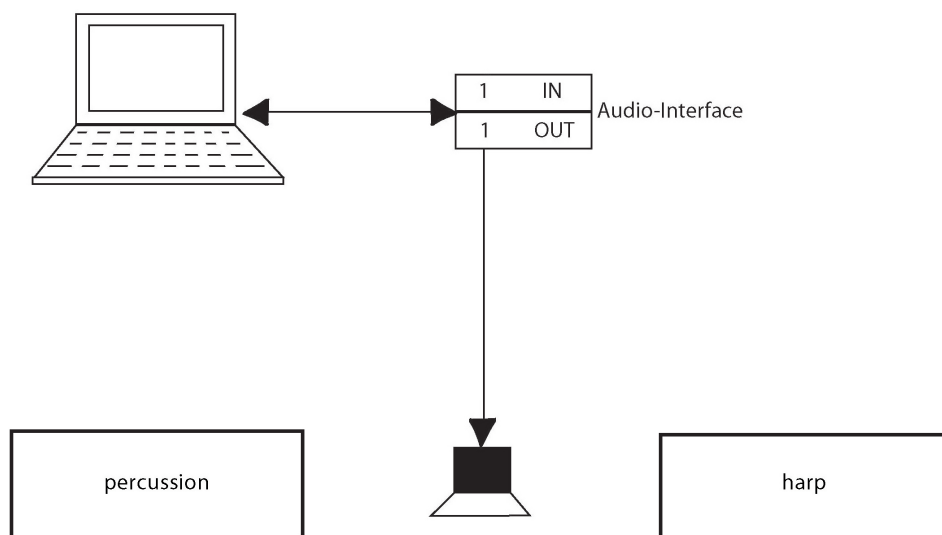
for harp, percussion and electronics

for Duo Harpverk - Reykjavík/Ísland
2016

equipment

- concert harp
- violin bow (for the harp)
- nail chimes (about 20-30 nails and screws with different size hanging like a mark tree or similar)
- crotales
- vibraphone
- bass drum
- double bass bow (for crotales and vibraphone)
- 1 laptop with Max/MSP (patch was testet with Max/MSP version 6.0.8 on a MacBook Pro 2.4 Ghz, 4 GB Ram)
- 1 audio interface (minimum 1 channel IN and 1 channel OUT)
- 1 loudspeaker
- 1 stand for the loudspeaker
- cables and connector plugs, as required for the named equipment

technical setup



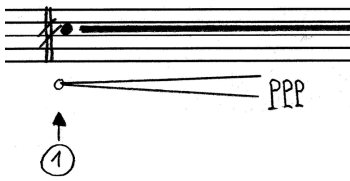
The positions of percussion and harp can also be interchanged, but the position of the loudspeaker has to be between them, like a third instrument.

the electronics

The part of the electronics can be played by the percussionist.

In the score are numbered signs (①) for activating an electronic sound. These are pure sine waves with the pitch, that is notated in the score (the crescendo and diminuendo in the score is already programmed in the Max/MSP patch).

For activating a special number, press the key on the computer keyboard.

For example:  then press key "1":



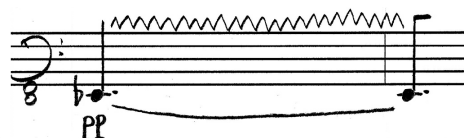
To deactivate any sound (maybe because of sound problems or while rehearsal), press number "0". For the rest, please follow the instructions in the Max/MSP patch.

explanations

general

- keep in mind, that no sound is to be damped!
- play all 14 parts attacca

harp



pedal noise / for this effect, **tune** the **Contra E^b** to a **D^b**
the resulting sound is a major second lower, than notated.



→ resulting sound



→ played harmonic (in this example: the 2nd partial of c[#])

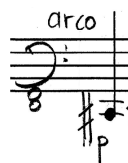
the higher the partials, the higher the degree of noise, but try to produce the resulting sound at the best.



or



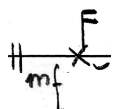
with fingernail along the string



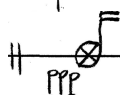
arco

with violin bow

nail chimes



touch the nail chimes and let them oscillate

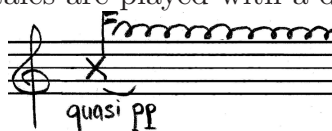


try to touch only one nail or screw with your fingernail

crotales

all crotales are played with a double bass bow,

except:



take one exemplar of the crotales (there is no special pitch needed)
and spin it (like a spinning top) on the bass drum without disturbing it.

vibraphone



with fingertip



with double bass bow

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$\text{♩} \approx 45$ $\text{E}^b \text{ F}^b \text{ G}^b \text{ A}^b$
 $\text{B}^b \text{ C}^\sharp \text{ D}^\sharp$

1

harp

nail chimes

crotales

vibraphone

electronics

2

h.

n.c.

c.

v.

e.

3

Handwritten musical score for system 3, measures 1-4. The score includes staves for h. (harp), n.c. (non-chordal), c. (chordal), v. (voice), and e. (electric guitar). The key signature is one sharp (F#). The time signature is 7/8. The score features various dynamics including *pp*, *f*, and *ppp*, and includes a circled number 1 at the end of the system.

4

Handwritten musical score for system 4, measures 5-8. The score includes staves for h. (harp), n.c. (non-chordal), c. (chordal), v. (voice), and e. (electric guitar). The key signature is one sharp (F#). The time signature is 7/8. The score features various dynamics including *pp*, *f*, and *ppp*, and includes a circled number 2 at the end of the system.

5

h.

n.c.

c.

v.

e.

pp

ppp

pp

ppp

3

6

h.

n.c.

c.

v.

e.

pp

ppp

pp

7

Handwritten musical score for system 7, featuring five staves labeled h., n.c., c., v., and e. The notation includes various musical symbols such as notes, rests, and dynamic markings (pp, ppp).

Staff h.: Treble clef, contains notes and rests, with a dynamic marking *pp* at the end.

Staff n.c.: Treble clef, contains notes and rests.

Staff c.: Treble clef, contains notes and rests, with a dynamic marking *pp* at the beginning.

Staff v.: Treble clef, contains notes and rests, with a dynamic marking *pp* at the beginning.

Staff e.: Treble clef, contains a long horizontal line with a dynamic marking *ppp* and a circled number 4 below it.

8

Handwritten musical score for system 8, featuring five staves labeled h., n.c., c., v., and e. The notation includes various musical symbols such as notes, rests, and dynamic markings (pp, p).

Staff h.: Treble clef, contains notes and rests, with a dynamic marking *f* at the beginning.

Staff n.c.: Treble clef, contains notes and rests.

Staff c.: Treble clef, contains notes and rests, with a dynamic marking *pp* at the beginning.

Staff v.: Treble clef, contains notes and rests, with a dynamic marking *pp* at the beginning.

Staff e.: Treble clef, contains a long horizontal line with a dynamic marking *p* at the end.

F^b

9

Handwritten musical score for measures 9 and 10. The score is written for five staves: h. (harp), n.c. (nono), c. (cello), v. (violin), and e. (double bass). The key signature is F^b (one flat).

Measure 9:

- h.:** Treble clef. Notes: (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b). Fingering: 1, 2, 3, 4, 5, 4, 3, 2, 1. Dynamics: *p*, *p*, *p*.
- n.c.:** Treble clef. Notes: (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b). Dynamics: *mf*, *pp*.
- c.:** Treble clef. Notes: (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b). Dynamics: *pp*, *quasi pp*.
- v.:** Treble clef. Notes: (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b). Dynamics: *pp*, *p*.
- e.:** Treble clef. Notes: (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b). Dynamics: *ppp*.

Measure 10:

- h.:** Treble clef. Notes: (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b). Fingering: 1, 2, 3, 4, 5, 4, 3, 2, 1. Dynamics: *p*, *p*, *p*.
- n.c.:** Treble clef. Notes: (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b). Dynamics: *mf*, *ppp*.
- c.:** Treble clef. Notes: (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b). Dynamics: *pp*, *quasi pp*.
- v.:** Treble clef. Notes: (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b). Dynamics: *p*, *p*.
- e.:** Treble clef. Notes: (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b), (F^b). Dynamics: *ppp*.

Handwritten annotations include: "only once very slow along the whole string downwards" and "quasi".

F[#]

10

Handwritten musical score for measures 11 and 12. The score is written for five staves: h. (harp), n.c. (nono), c. (cello), v. (violin), and e. (double bass). The key signature is F[#] (one sharp).

Measure 11:

- h.:** Treble clef. Notes: (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]). Fingering: 1, 2, 3, 4, 5, 4, 3, 2, 1. Dynamics: *p*, *p*, *p*.
- n.c.:** Treble clef. Notes: (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]). Dynamics: *mf*, *ppp*.
- c.:** Treble clef. Notes: (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]). Dynamics: *pp*, *quasi pp*.
- v.:** Treble clef. Notes: (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]). Dynamics: *p*, *p*.
- e.:** Treble clef. Notes: (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]). Dynamics: *ppp*.

Measure 12:

- h.:** Treble clef. Notes: (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]). Fingering: 1, 2, 3, 4, 5, 4, 3, 2, 1. Dynamics: *p*, *p*, *p*.
- n.c.:** Treble clef. Notes: (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]). Dynamics: *mf*, *ppp*.
- c.:** Treble clef. Notes: (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]). Dynamics: *pp*, *quasi pp*.
- v.:** Treble clef. Notes: (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]). Dynamics: *p*, *p*.
- e.:** Treble clef. Notes: (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]), (F[#]). Dynamics: *ppp*.

Handwritten annotations include: "only once very slow along the whole string downwards" and "quasi".

11

h. 3 3 3

n.c. 7 7 7 7 7 7 7 7

c. 7 7 7 7 7 7 7 7

v. 7 7 7 7 7 7 7 7

e. 7 7 7 7 7 7 7 7

PP

PPP

6

12

h. 3 3 3

n.c. 7 7 7 7 7 7 7 7

c. 7 7 7 7 7 7 7 7

v. 7 7 7 7 7 7 7 7

e. 7 7 7 7 7 7 7 7

arco

Fb

PPP

Handwritten musical score for "The Rose Tree". The score is written for five parts: harp (h.), n.c. (no cello), c. (cello), v. (violin), and e. (electric guitar). The key signature is one flat (B-flat), and the time signature is 3/4. The harp part features a series of chords and single notes, with some notes marked with a '3' indicating a triplet. The n.c. part is marked with a double bar line and a key signature change to one sharp (F#). The c. part includes a melody with a key signature change to one sharp (F#) and a dynamic marking of 'pp'. The v. part is marked with a double bar line and a key signature change to one sharp (F#). The e. part is marked with a double bar line and a key signature change to one sharp (F#). The score includes various musical notations such as chords, accidentals, and dynamics like ppp and pp.

Handwritten musical score for a 5-part ensemble. The score is divided into two systems. The first system has three staves: 'h.' (harp), 'c.' (cello), and 'v.' (violin). The second system has two staves: 'n.c.' (no cello) and 'e.' (euphonium). The music is in 4/4 time, with a key signature of one sharp (F#). The harp part features a melodic line with a trill in the first measure and a triplet in the fourth. The cello part has a bass line with a trill in the first measure and a triplet in the fourth. The violin part has a melodic line with a trill in the first measure and a triplet in the fourth. The euphonium part has a bass line with a trill in the first measure and a triplet in the fourth. The score is handwritten and includes dynamic markings such as 'f', 'p', and 'pp'.

