

Maximilian Marcoll

Compound No. 4 : *FRICTION MACHINE ALARM SIGNAL CONSTRUCTION*

for violin, viola, percussion, two ad hoc players and electronics

Commissioned by Deutschlandradio Kultur for Ultraschall Festival Berlin 2011

First Performance: Berlin, Sophiensäle, January 27th 2011

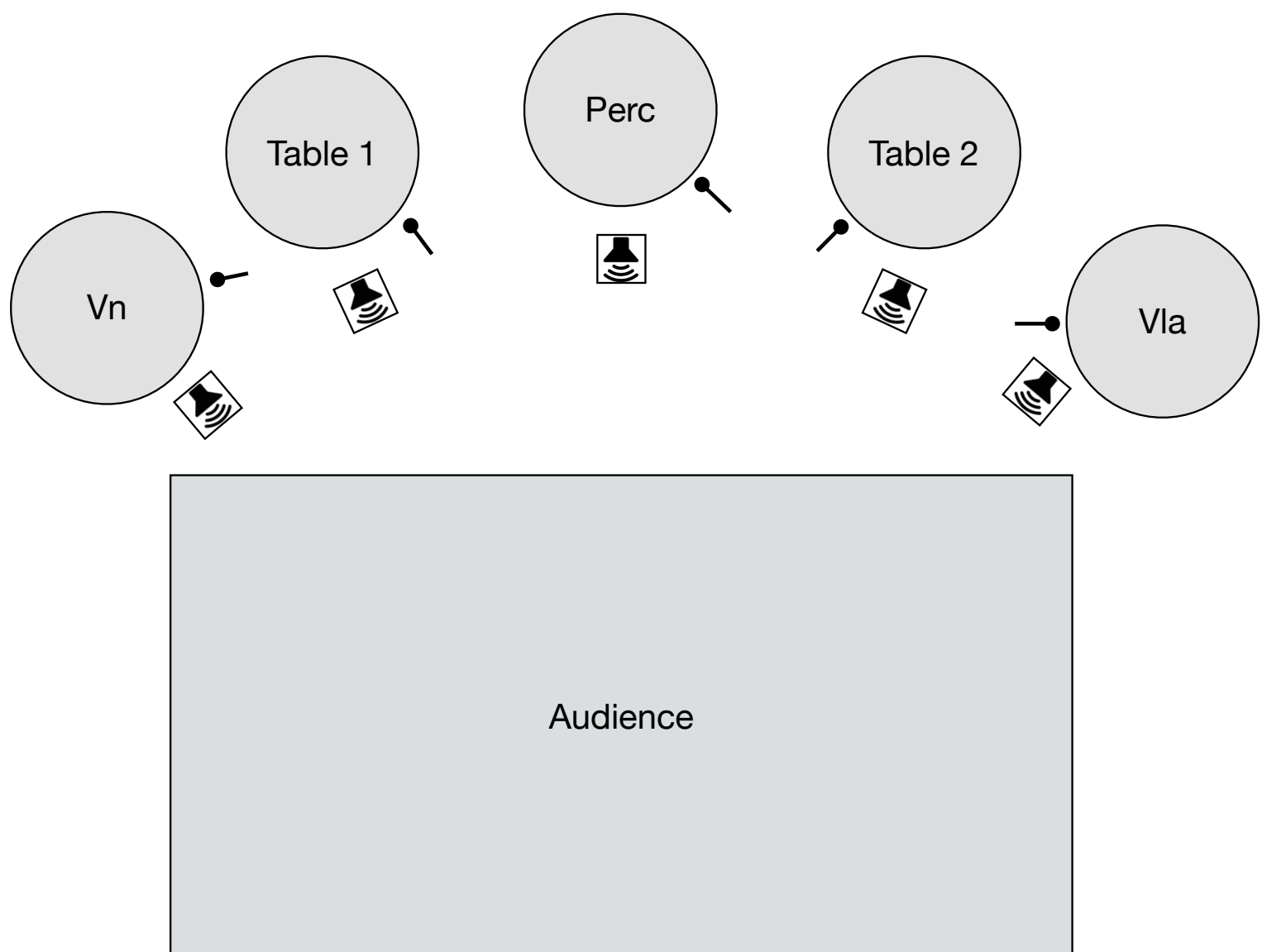
Ensemble Mosaik

Duration: 15 min.

SETUP

The players should be placed in a wide circle in front of the audience. A loudspeaker is to be put down on the floor or on a low stand next to or in front of each of the players respective locations. All players should be amplified with microphones. The two ad hoc players should play on small tables with a wooden surface. The tables will probably need to be equipped with 2 or 3 microphones each. Hypercardioid microphones are strongly recommended to avoid feedback. (The amplification has to be run on high levels.)




There is a click track for all players to synchronise with the tape.



ANNOTATIONS

Tables

There are three different noteheads:

normal	rub/crackle	dead stroke
		

←: rub to the left →: rub to the right ↑: rub away from body ↓: rub towards body

∨ ■ these symbols are used for breath-like rubbing and mean: towards body (inhale) and away from body (exhale)

1

The following items are needed:

- 2 styrofoam plates. approx. 15 cm x 15 cm x 2 cm
- Cigarette cellophane packaging
- 3 crumpled piles of aluminium foil
- 2 plastic boxes, edge length 7 cm, one filled with glass marbles
- a bunch of keys. preferably mounted on a stand but swinging freely, in front of the mic
- metal stick (like a triangle stick)
- plastic, from a rice or noodle packaging, or similar

2

The following items are needed:

- 2 styrofoam plates. approx. 15cm x 15cm x 2 cm
- Postcard or similar cardboard
- metal sheet, approx. 40 cm x 40 cm
- metal grid, approx. 40 cm x 40 cm
- metal stick (like a triangle stick)
- 2 plastic boxes, edge length 7 cm, one filled with glass marbles

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Ad Hoc 2

32"

28"

$\frac{4}{4}$

16 rub styrofoam surfaces

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

22

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

28

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

34

mf *f* *mf* *fff* *mf* *fff* *mf* *f* *ffff* *f* *mf* *f* *mf* *f*

40

fff *f* *fff* *f* *fff* *fff* *fff* *mf* *fff* *mf* *f* *fff* *f* *fff* *mf*

45

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

50

mf *f* *mf* *f* *mf* *f* *mf* *f* *mf* *f* *mf* *f* *mf* *f* *mf* *f*

56

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

62

67

74

80

86

92

98

105

112

118

plastic box dampened hit with metal stick

rub hands

fist

plastic box

rub hands

fist

plastic box

mf f mf f mf f mf ff mf f mf ff mf f ff mf

123

rub hands

fist

plastic box

rub hands

fist

plastic box

ff mf mf p mf ff mf mf mf f

128

rub hands

fist

plastic box

rub hands

fist

plastic box

1

plastic box

ff mf p f ff mf mf ff mf

134

rub hands

plastic box

rub hands

2/4

rub hands

3/4

plastic box

4/4

fist

fist

ff mf ff ff p mf p mf p

140

rub hands

fist

plastic box

rub hands

fist

plastic box

fist

rub hands

fist

plastic box

f

ff

mf

f

ff

ff

mf

ff

mf

ff

mf

f

ff

f

ff

f

mf

146

rub hands

fist

plastic box

fist

rub hands

fist

plastic box

fist

fist

plastic box

fist

rub hands

fist

plastic box

rub hands

fist

plastic box

ff

mf

mf

mf

ff

f

fff

mf

mf

mf

ff

f

ff

f

mf

152

fist

rub hands

plastic box

fist

rub hands

1

plastic box

rub hands

fist

plastic box

ff

p

ff

f

mf

ff

mf

ff

mf

ff

p

158

fold postcard

rub hands

2/4

drop sheet on grid

4/4

plastic box dampened hit with metal stick

fist on sheet on grid

2

rub hands

p

p

ff

ff

mf

f

mf

f

mf

p

165

1

1

1

1

1

1

173

Musical notation for measure 173, featuring a series of eighth notes with accents and a final quarter note with a first ending bracket.

181

Musical notation for measure 181, including a first ending bracket, a triplet of eighth notes labeled 'fold postcard' with a dynamic of *p*, and a triplet of eighth notes labeled 'rub hands' with a dynamic of *ff*.

189

Musical notation for measure 189, featuring a first ending bracket, a triplet of eighth notes labeled 'rub hands' with a dynamic of *ff*, and a quarter note labeled 'plastic box' with a dynamic of *mf*.

195

Musical notation for measure 195, including a first ending bracket, a quarter note labeled 'plastic box' with a dynamic of *mf*, and a triplet of eighth notes labeled 'rub hands' with a dynamic of *ff*.

201

Musical notation for measure 201, featuring a first ending bracket, a quarter note labeled 'plastic box' with a dynamic of *mf*, and a triplet of eighth notes labeled 'rub hands' with a dynamic of *ff*.

207

Musical notation for measure 207, including a first ending bracket, a triplet of eighth notes labeled 'rub hands' with a dynamic of *ff*, a quarter note labeled 'plastic box' with a dynamic of *mf*, a triplet of eighth notes labeled 'rub hands' with a dynamic of *ff*, a quarter note labeled 'plastic box' with a dynamic of *mf*, a triplet of eighth notes labeled 'fold postcard' with a dynamic of *p*, a triplet of eighth notes labeled 'rub hands' with a dynamic of *ff* (action), and a quarter note labeled 'drop sheet on grid' with a dynamic of *ff*.

213

Musical notation for measure 213, featuring a first ending bracket, a quarter note labeled 'fist on sheet on grid' with a dynamic of *mf*, a triplet of eighth notes labeled 'f' with a dynamic of *f*, a quarter note labeled 'cellophane' with a dynamic of *p*, a quarter note labeled 'rub hands' with a dynamic of *p*, a measure rest of 34 measures, a measure rest of 2/4, a first ending bracket, and a measure rest of 4/4.

253

Musical notation for measure 253, including a first ending bracket, a measure rest of 1 measure, a first ending bracket, a measure rest of 1 measure, a measure rest of 48 measures labeled 'play 5 times', a quarter note labeled 'cellophane' with a dynamic of *p*, a triplet of eighth notes labeled 'crackling' with a dynamic of *pp*, a first ending bracket, and a quarter note labeled 'pizz.' with a dynamic of *mf*.

306

Musical notation for measure 306, featuring a quarter note with a dynamic of *f*, a quarter note with a dynamic of *pp*, a quarter note with a dynamic of *p* and a triplet of eighth notes with a dynamic of *mf*, a quarter note with a dynamic of *p*, a quarter note with a dynamic of *f*, and a triplet of eighth notes with a dynamic of *mf*.

312

Musical notation for exercise 312. It consists of a single staff with a sequence of notes and rests. The notes are quarter notes, some beamed in pairs. There are three triplet markings over groups of three notes. The dynamic markings are *p*, *f*, *pp*, *mf*, and *p*. A measure number '1' is written above the first measure.

318

Musical notation for exercise 318. It consists of a single staff with notes and rests. The notes are quarter notes, some beamed in pairs. There are two triplet markings. The dynamic markings are *p* and *mf*. Above the staff, there are several time signature changes: $\frac{3}{4}$, $\frac{4}{4}$, $\frac{5}{4}$, and $\frac{4}{4}$. There are also measure numbers '15' and '1' written above the staff.

338

Musical notation for exercise 338. It consists of a single staff with notes and rests. The notes are quarter notes. There are several measure numbers written above the staff: '15', '2', '1', '4', '36', and '1'. The dynamic marking is *mf*. To the right of the staff, there is a text instruction: "plastic box filled with glas marbles, cant to one side on each quarter, 4 positions, each assigned to a beat of the measure 1: down (v), 2: left (<), 3: up (^), 4: right (>)"

392

Musical notation for exercise 392. It consists of a single staff with notes and rests. The notes are quarter notes. There are measure numbers written above the staff: '3', '4', '5', '6', '7', '8', '4', '2', '3', and '1'.

401

Musical notation for exercise 401. It consists of a single staff with notes and rests. The notes are quarter notes. There are measure numbers written above the staff: '2', '3', '4', '5', '6', '7', '8', and '4'.

410

Musical notation for exercise 410. It consists of a single staff with notes and rests. The notes are quarter notes. There are time signature changes written above the staff: $\frac{2}{4}$, $\frac{3}{4}$, $\frac{4}{4}$, $\frac{2}{4}$, $\frac{3}{4}$, $\frac{2}{4}$, $\frac{3}{4}$, and $\frac{2}{4}$.

419

Musical notation for exercise 419. It consists of a single staff with notes and rests. The notes are quarter notes. There are time signature changes written above the staff: $\frac{2}{4}$, $\frac{3}{4}$, $\frac{2}{4}$, $\frac{3}{4}$, $\frac{4}{4}$, and $\frac{3}{4}$.

427

Musical notation for exercise 427. It consists of a single staff with notes and rests. The notes are quarter notes. There are time signature changes written above the staff: $\frac{3}{4}$, $\frac{2}{4}$, $\frac{3}{4}$, and $\frac{2}{4}$. There are measure numbers written above the staff: '1', '2', '3', '4', '1', '2', '3', and '4'.

436

Musical notation for exercise 436. It consists of a single staff with notes and rests. The notes are quarter notes. There are time signature changes written above the staff: $\frac{2}{4}$, $\frac{4}{4}$, $\frac{3}{4}$, $\frac{4}{4}$, and $\frac{3}{4}$. The dynamic marking is *ff*. To the right of the staff, there is a text instruction: "put the plastic box around mic, blow on the bottom of the box" with an arrow pointing to the *ff* marking.

* in sync with the tape. the average tempo of the quarter notes is 110 bpm. however, the actual durations of the individual notes deviate slightly.