

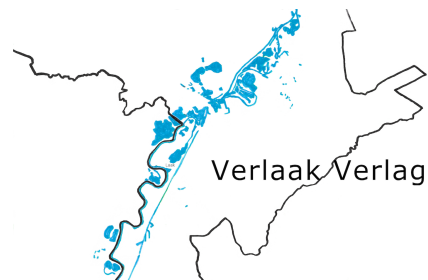
Formation de Sarah

Violin & electronics

Written for Sarah Saviet
Commissioned by Another Timbre, UK

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Maya G. L. Verlaak



1. Instrument & material

Violin

Electronics:

1 microphone for violin

XLR cable

Interface for microphone

Computer

Maxmsp application (attached to this document)

1 mono active speaker

Jack cable

Projector & projection screen

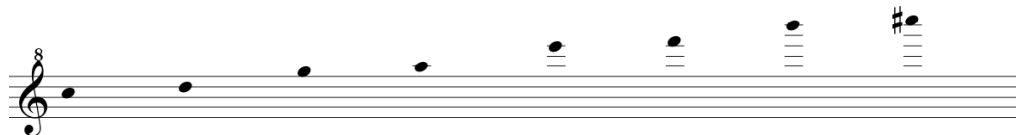
2. Concept

Pre-recorded video & audio: Nail violin



2.1 Fundamentals

The nail violin produces 8 pitches



C = 1068 Hertz

D = 1196 Hz

G = 1576 Hz

A = 1718 Hz

E = 2570 Hz

F = 2734 Hz

B = 3875 Hz

C# = 4356 Hz

In *Formation*, each pitch is given the role of a (false) harmonic, each to a series of several possible fundamentals. *Formation* requires the violinist to find all possible fundamentals to each of the above-notated pitches.