::: performance score :::

# Tavettine 2014 Composit New Music Festival Tavettine That the Part of the 2014 Composit New Music Festival Tavettine That the Part of the 2014 Composit New Music Festival Tavettine That the Part of the 2014 Composit New Music Festival Tavettine T

for violin + live, interactive electronics

Louis Goldford (2014)



Version 19/08/2020

Partition et matériel disponibles sur:



### instrumentation

## violin live electronics\*

\*Software, installation & performance instructions are available directly from the composer: ljgoldford@gmail.com.

### setup

### installation

Currently software is available as a single download in the form of patcher files compatible with Max/MSP v6.i+ (www.cycling74.com/). Alternatively, the piece runs in the free version Max Runtime, also from the above web address.

Additionally, the piece uses a number of externals from 3rd-party libraries whose rights are bound by their original licenses. Once downloaded, the *Travertine Hybrid #3* folder may be placed anywhere in your Max search path, though the packages folder is recommended.

A complete guide for installing and running the software, including screenshots of the user interface, is provided in the download and will also be included in a future draft of this score preface. For now, the physical stage setup. The performer will need:

- I. a laptop running Max v6.I+ to be operated by a computer assistant, with or without additional mixing support at the mix position.
- 2. a DAW / audio interface connected to the laptop (recommended: MOTU 828 mk. III)
  - > The piece runs in either stereo or 4-channel surround;
- 3. a condenser microphone placed appropriately for the soloist, in a cardiod polar pattern;
- 4. a mixing console, amplification, and loudspeakers.
  - > Digital reverb and effects are all implemented in the performance patch.

### performance notes

At this time, the notation of the electronics part is limited to cue numbers without explanation of the sound. A more complete draft of this score will soon be available with a better description of the electronic accompaniment.

‡ quarter tone sharp

quarter tone flat

E.S.P. = *extreme sul ponticello* (half on the bridge; fundamental disappears)

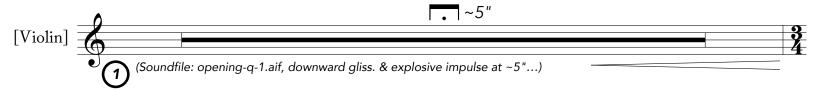
S.P. = *sul ponticello* (as close to the bridge as possible, at times on the bridge)

S.T. = *sul tasto* (bow over the fingerboard; dull sound)

N. = normale (ordinato) (regular bow position)



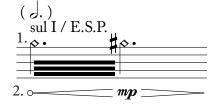
- <sup>arco</sup> I. 4-string arpeggio behind the bridge (here with col legno battuto indicated above staff)
- 2. bow a single string between bridge + tailpiece
  - 3. strike the upper sounding board with left-hand fingertip
  - 4. single staccato bow on highest playable pitch (indicates highest pitch on current string)



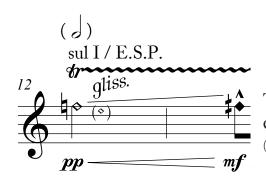
 $Circled\ number\ indicates\ a\ cue\ point\ for\ the\ electronics;\ always\ UNDER\ the\ staff\ (left).$ 

Italicized sans-serif type describes what is happening in the electronics (next to cue number).

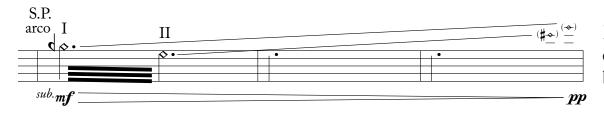
For proportional rests, duration is indicated above the staff in seconds (to the right of the fermata).



- I. Rapid trill between two nodes on the indicated string for the indicated duration.
- 2. Begin the crescendo or phrase from *niente*.



Trill between a node + fully-stopped note over indicated duration and on indicated string. Glissando both nodes. Blackened diamond noteheads indicate duration (quarter, eighth, or sixteenth notes) but remain harmonics nonetheless.



Bowed tremolo between nodes on different strings. Glissando towards both of target nodes.

Heavy bow articulation at the frog. Phrase may begin with a scratch tone.



Gradually change bow pressure until scratch tone (white noise) replaces pure tone at the line's thickest point.

→ S.P. Gradually change bow positions.

### program note

In the winter of 2011 I visited the *Getty Center* in L.A. There, I recorded myself striking the surface of travertine limestone spread throughout the *Getty* campus, which produces an amazing hollow ringing sound. The following year I used analyses of this audio as the compositional basis for a series of pieces for solo string instruments. The two prior works in the series are for viola and cello solo respectively, while *Travertine Hybrid #3* marks the first in this series for violin and is also the first to include accompanimnet via electronics. Previously I cross-synthesized the partials of viola samples with partials of the travertine samples and produced hybrid spectra. The electronic accompaniment here includes such cross-synthesis, but also includes resonant filter techniques and generative score material. For example, a Markov chain was constructed in order to generate much of the pitch material for the notated part.

Louis Goldford June 2014 New York City

Premiere performance given by Marco Fusi at the 2014 *Composit New Music Festival* 

5 June 2014 Auditorium Varrone Rieti, Italy

### contact information



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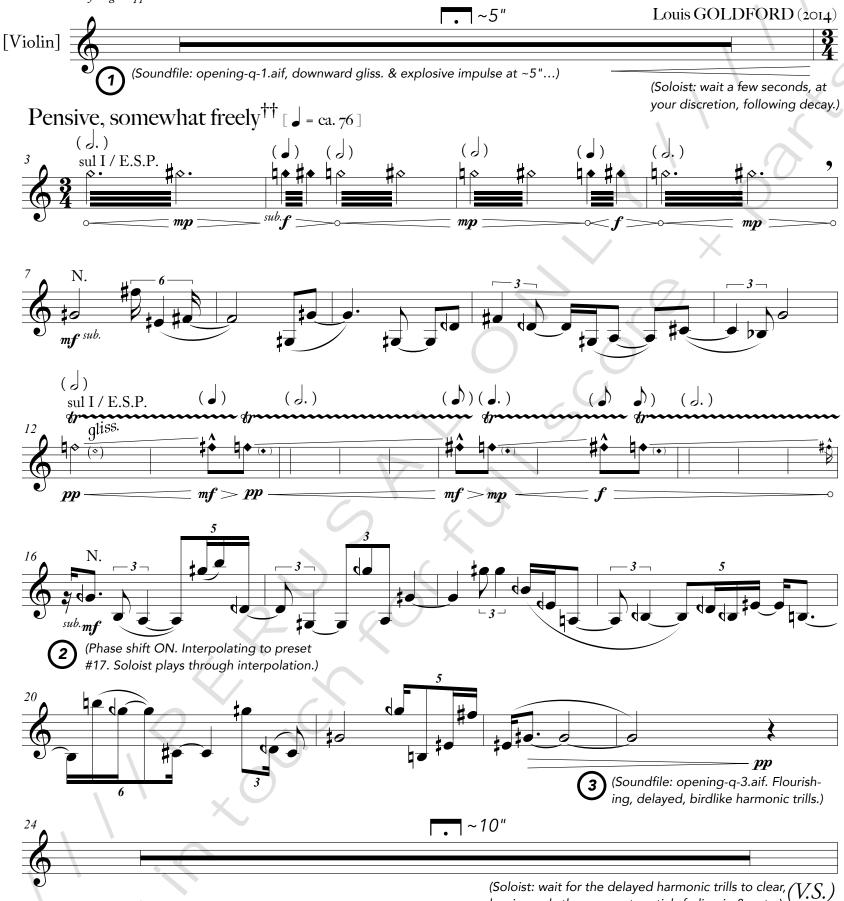
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# Travertine Hybrid #3

© Before starting the piece, press "INIT" and be sure "ready to go" appears on screen.

for violin + live electronics



† Electronics are available as patches compatible with Max/MSP v.6+ available from the composer at ljgoldford@gmail.com.

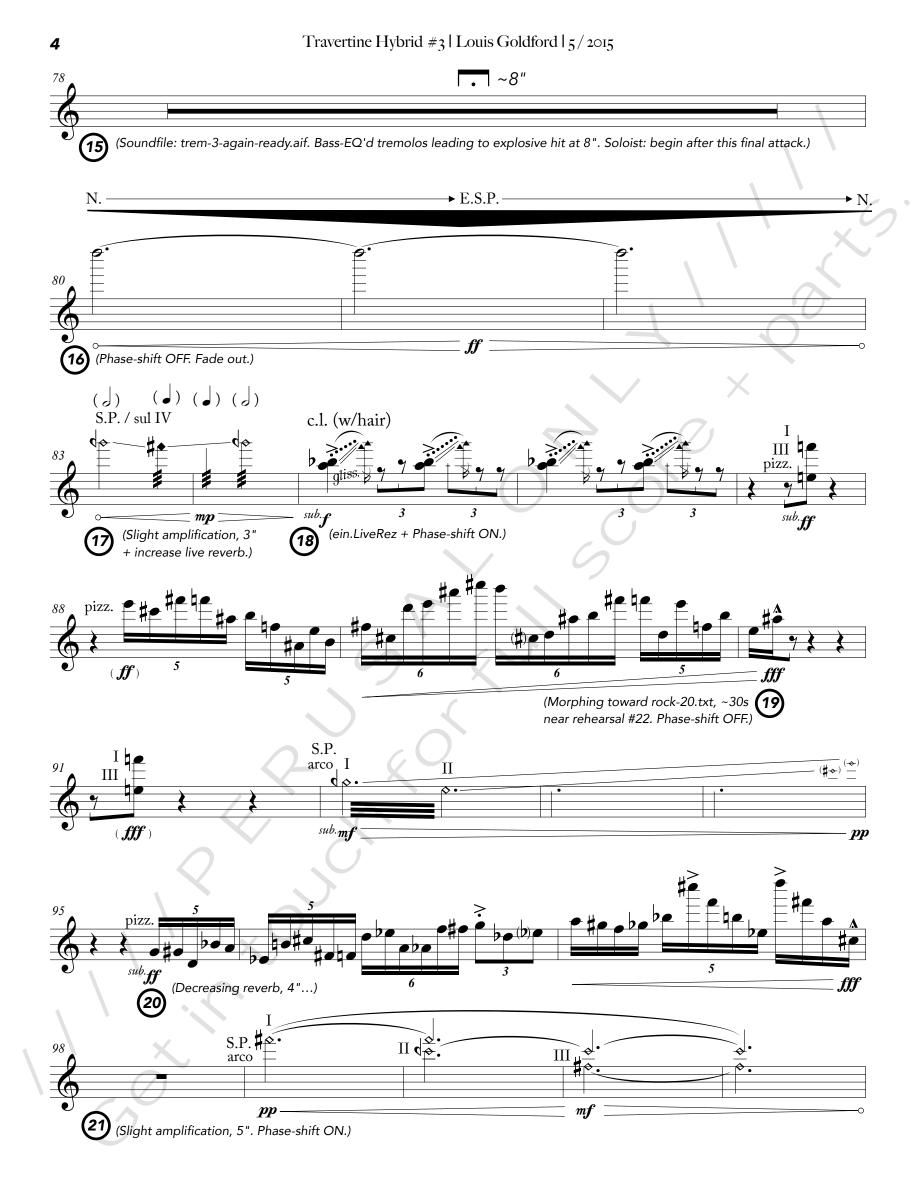
leaving only the resonant partials fading in & out...)

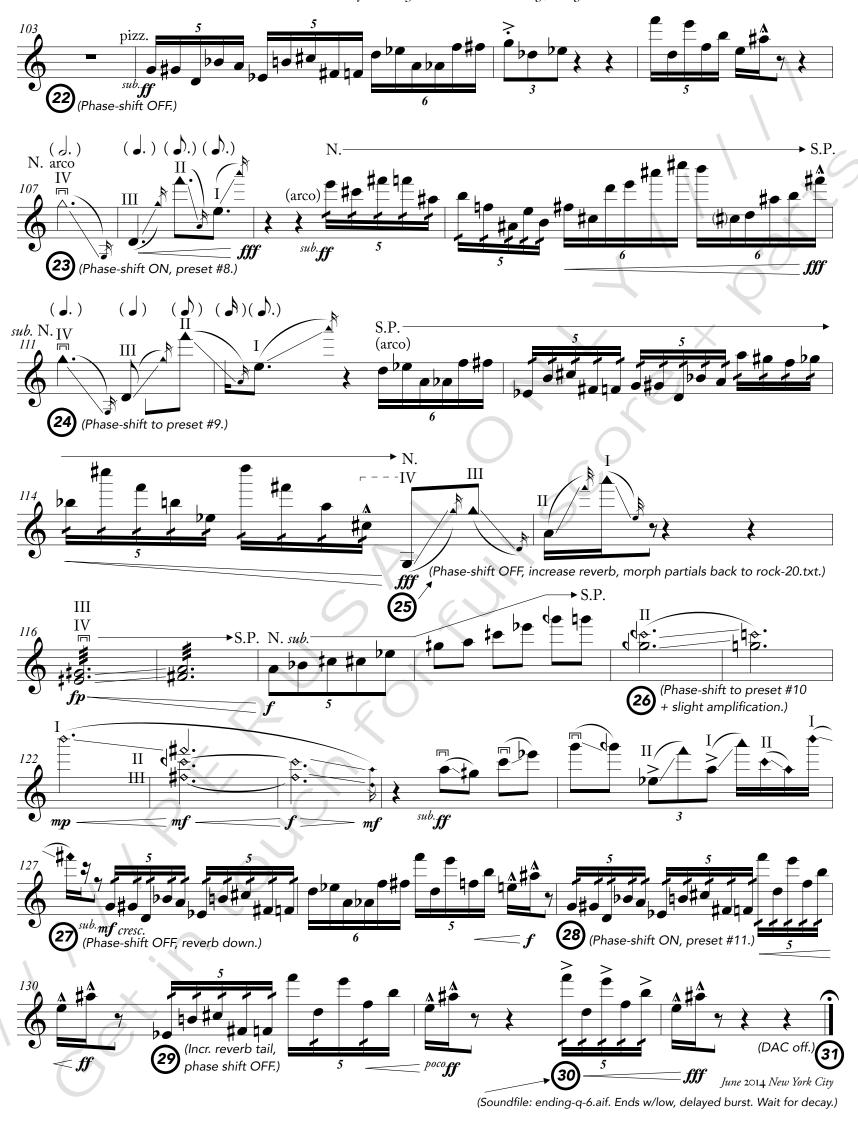
†† Tempo is flexible. Nothing relies on a steady pulse, so the player is free to vary the time and phrasing at their discretion.

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