

Circular Logic

A Suite for Cello and Computer



Cello

James Croson

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Performance Notes

This document is the performance part for cello: a reference score showing more detailed accompaniment is separate.

Here, the grand staff labeled Live Resonant Strings displays the music for the virtual strings of the software instrument through which the cello signal is passed.

An event list/sequence drives the virtual strings of the live string resonators. Measure numbers in this score and in the cello performance part correspond to the measures of that event list/sequence.

The grand staff labeled Audio displays a condensed score of the instrumental voices of the computer-generated audio accompaniment. The notated rhythms are approximate and rather rubato. A single-line staff labeled audiofiles displays the placement of concrète sounds.

Accidentals apply only to the notes they immediately precede. Numerous courtesy accidentals are given.

All shifts in meter maintain the tempo of the largest common note value (i.e., ♩ = ♪) unless noted otherwise.

All movements are joined (*attaca*), although they can be performed as separate, individual movements or several connected movements excerpted.

See the reference score or technical notes for directions for playback of computer audio, mixing, and routing.

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I.

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This system contains four staves. The top two staves are for 'Live Resonating Strings' (treble and bass clefs). The next two staves are for 'Audio' (treble and bass clefs). Below the audio staves is a line for 'Audiofiles' with a horizontal line and a bracket labeled '14.5 s.' and the text 'Tape rewind'. The bottom staff is for 'Cello' (bass clef). All staves are in 2/4 time and contain rests.

This system contains three staves. The top staff is for 'LSR' (Live Resonating Strings) with treble and bass clefs. The middle staff is for 'Aud.' (Audio) with treble and bass clefs. The bottom staff is for 'Vc.' (Cello) with a bass clef. The tempo is marked as quarter note = 90. The measure number 15 is indicated. Dynamics include *p* (piano) and *f* (forte). A double bar line is present at the beginning of the system.

(Turn to page 2 and display 3 pages.)

20

Aud.

Vc.

mf *f* *ff*

25

Aud.

Vc.

pizz. arco pizz. arco

f *mf*

30

Aud.

Vc.

pizz. arco pizz. arco pizz. arco

cresc. poco a poco

35

Aud.

Vc.

f

40

Aud.

Vc.

Aud.

Vc.

Aud.

Vc.

Aud.

Vc.

55

LSR

Aud.

Vc.

ff

mf

8va

17

60

LSR

Aud.

Vc.

8va

9

II.

Aud.

9 s.

11 s.

5 s.

Shepard tones (filters)

♩ = 60 *accel.* ♩ = 120 *rit.* ♩ = 60

(Fold in to display page 5.)

♩ = 90

85

LSR

Aud.

Vc.

mp *mf*

90 95

LSR

Aud.

Vc.

100

Aud.

Vc.

f *mf*

Aud. *105* *110*

III.
 Aud. *115* *120*

♩ = 80

Chamber spin Cock Fire Chamber spin Cock Fire Chamber spin Cock

Aud. *125*

♩ = 80

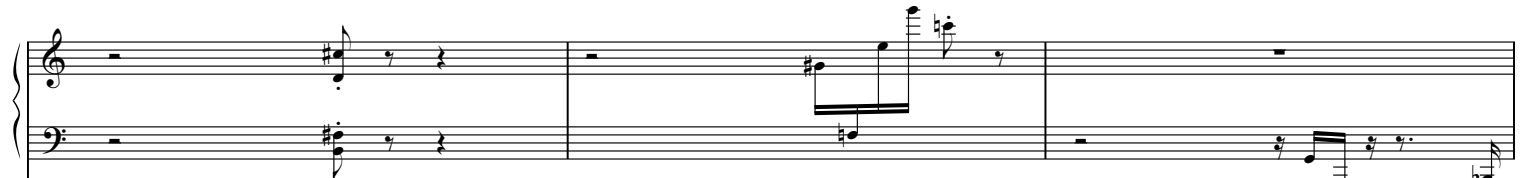
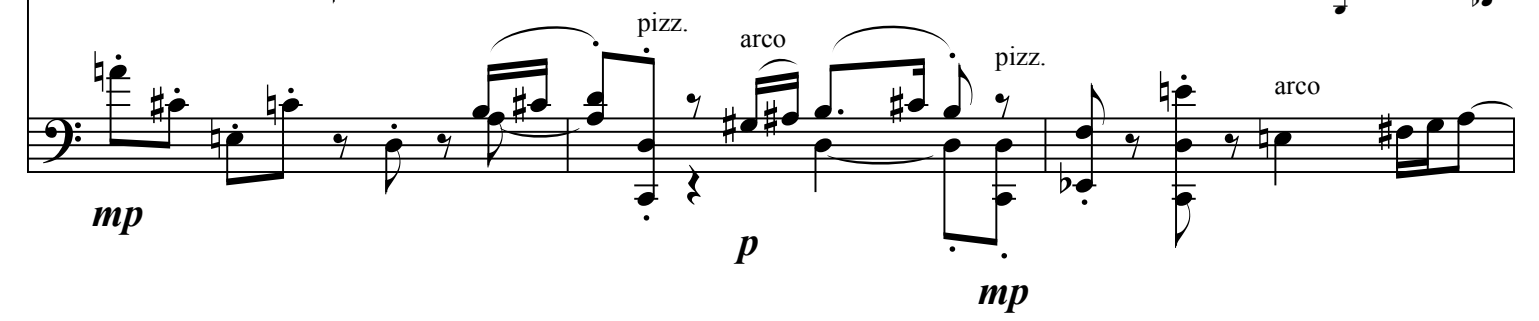
Vc.

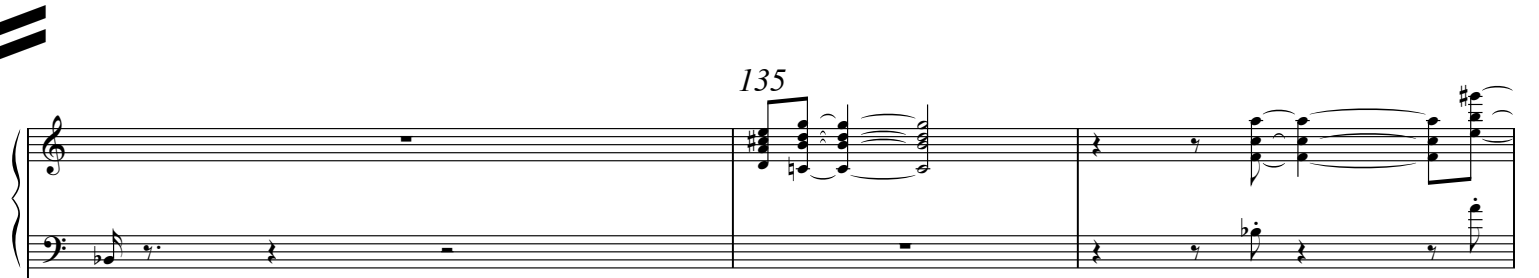
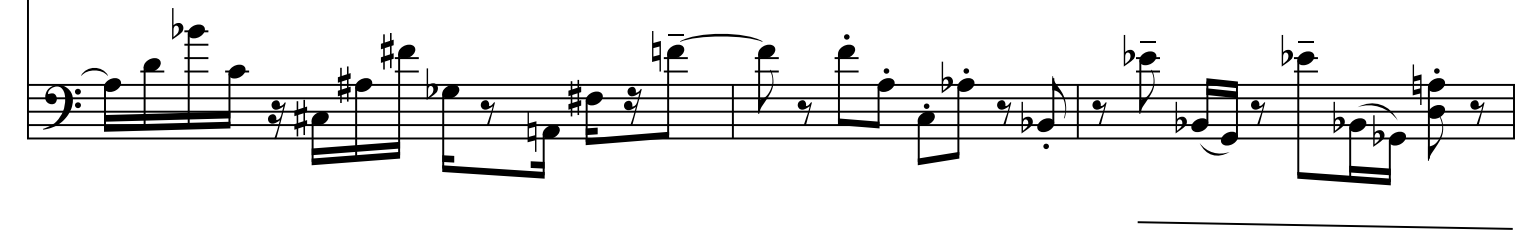
mp

Aud. *130*

Vc.

p

Aud. 
 Vc. 
 mp *p* *mp*
 pizz. *arco* *pizz.* *arco*

Aud. 
 Vc. 
 135

Aud. 
 Vc. 
 140
 p

145

LSR

Aud.

Vc.

mp

150

LSR

Aud.

Vc.

Aud.

Vc.

p *mf* *mp*

8va

155 160

Aud.

Vc.

f *mf*

IV.

$\text{♩} = 105$ $\text{♩} = 105$ 165

Aud.

Bicycle wheel

f

Aud.

170

(3 + 4)

Aud. *ff*

Vc. *ff*

175

(4 + 3)

180

Aud. *f*

Vc. *f*

(4 + 3)

(4 + 3)

185

Aud. *pizz.*

Vc. *pizz.*

(3 + 4)

190

Aud. *ff*

Vc. *arco* *ff*

195

Aud. *f*

Circular saw

Vc. *ff*

200

Aud.

Vc.

205

Aud.

Vc.

210

Aud. *mp*

Vc.

V.

♩ = 90

230

LSR

Aud.

17 s. $\frac{12}{4}$
Casino wheel

Vc.

mp

LSR

Aud.

Vc.

235

240

LSR

Aud.

Vc.

245

250

mf

255

LSR

Aud.

Vc.

mf ————— *f*

260

265

LSR

Aud.

Vc.

270

VI.

275

18

18

18

5 s.

Spinning coin

18

18

mf

(Turn to page 14 and display 3 pages.)

♩ = 90

(2 + 3 + 2 + 3)

(3 + 3 + 4 + 4)

280

(3 + 3 + 3 + 3)

Aud.

Vc.

Aud.

Vc.

Aud.

Vc.

Aud.

Vc.

36
3 * 12 clicks

290

Aud.

Vc.

Aud.

Vc.

295

Aud.

Vc.

f *ff*

300

Aud.

Vc.

f

LSR

Aud.

Vc.

ff *f*

305

LSR

Aud.

Vc.

15 s.

Turntable groove end

ff