

Bracken

James Opstad

Reference score

Bracken

for string quartet and electronics
(2019)

Technical Requirements

- 4x tablets (iPad/iPad Pro or similar)
- 1x macOS/Windows/Linux computer with SuperCollider installed
- 1x audio interface
- 4x speakers (Genelec 8030 or similar)

Electronics Setup

A speaker should be placed behind and above each member of the quartet. The electronic sound should be balanced to blend naturally with the acoustic instruments.

Score Viewer

This piece uses a specially designed score-reading application to trigger the electronics and indicate when each of the pitches should be played. A printed score is provided for reference but the score viewer must be used in performance.

Pitch notation

All pitches are played as natural harmonics. The Helmholtz-Ellis JI Pitch Notation (HEJI) is used and an alternative notation is also shown, which indicates the string and partial number.

Scordatura

Instrument	Column 1	Column 2	Column 3	Column 4
Violin 1	8 196 Hz	12 294 Hz	16 392 Hz	unused
Violin 2	unused	10 245 Hz	14 343 Hz	unused
Viola	5 122.5 Hz	7 171.5 Hz	unused	unused
Violoncello	unused	4 98 Hz	6 147 Hz	8 196 Hz

Violin 1

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Violin 1



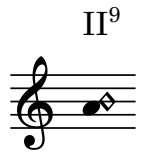
Violin 2

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Violin 2



Viola

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III⁹



III⁸



III⁷



III⁶



III⁵



IV⁷



IV⁶



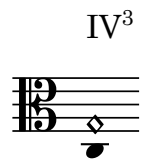
IV⁵



IV⁴



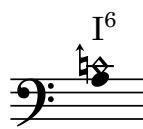
Viola



Violoncello

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Violoncello

III⁵



III⁴

