

# Violin + Viola Harmonic Series

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## Legend:

+2, -14, etc: cent deviations from tempered (i.e., piano) tuning system.

♭ ♯ ♮ : altered pitches (accompanied by cent deviation indication)

1, 2, 3, etc.: partials

**Top Staff** = Tablature (fingering) for the most useful nodes.

**Bottom Staff** = Sounding pitch

## E5 Harmonic Series (partials 1 - 13)

usable nodes at bottom of fingerboard

higher partials only available at top of fingerboard

8va +2 -14 +2 -31 +4

15ma -14 -49 +2 +41

22ma -14 -49 +2 +41

sounding pitch with cent deviations

## A4 Harmonic Series (partials 1 - 20)

8va +2 -14 +2 -31

15ma +4 -14 -49 +2 +41

22ma -31 -12 +5 +4 -2 -14

## D4 Harmonic Series

8va +2 -14 +2 -31 +4

15ma -14 -49 +2 +41 -31 -12 +5 +4 -2 -14

### G3 Harmonic Series

Musical notation for the G3 Harmonic Series. The top staff shows the series in a treble clef with a G-clef. The bottom staff shows the series in a bass clef with a G-clef. The notes are numbered 1 through 20. The intervals between notes are indicated by numbers: +2, -14, +2, -31, +4, -14, -49, +2, +41, -31, -12, +5, +4, -2, -14. The interval between the 8th and 15th notes is labeled *8va*, and the interval between the 15th and 20th notes is labeled *15ma*.

### C3 Harmonic Series

Musical notation for the C3 Harmonic Series. The top staff shows the series in a bass clef with a C-clef. The bottom staff shows the series in a bass clef with a C-clef. The notes are numbered 1 through 20. The intervals between notes are indicated by numbers: +2, -14, +2, -31, +4, -14, -49, +2, +41, -31, -12, +5, +4, -2, -14. The interval between the 8th and 15th notes is labeled *8va*.