

The Helmholtz-Ellis JI Pitch Notation (HEJI) | 2020

Harmonic / Subharmonic series 1–49 notated by modifications of Pythagorean notes
with dedicated microtonal accidental symbols for primes 5 through 47

revised by Marc Sabat & Thomas Nicholson

in collaboration with Wolfgang von Schweinitz, Catherine Lamb and M.O. Abbott
building upon the original HEJI devised by Marc Sabat and Wolfgang von Schweinitz

Ratios represent the amount of modification of the Pythagorean notes by each additional symbol,
cents indications are deviations that would be shown on a tuning meter with A = 0 cents

Standard otonal notation above $\flat A$

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Staff 1 (Bass clef):

- Interval: partial interval alteration (8 \flat)
- Interval: M3 (5 $^\circ$) (81:80)
- Interval: m7 (7 $^\circ$) (64:63)
- Interval: P4 (11 $^\circ$) (32:33)
- Interval: M6 (13 $^\circ$) (27:26)

Staff 2 (Treble clef):

- Interval: aug8 (17 $^\circ$) (2187:2176)
- Interval: m3 (19 $^\circ$) (512:513)
- Interval: aug4 (23 $^\circ$) (729:736)
- Interval: m7 (29 $^\circ$) (256:261)
- Interval: P8 (31 $^\circ$) (32:31)

Staff 3 (Treble clef):

- Interval: M2 (37 $^\circ$) (36:37)
- Interval: M3 (41 $^\circ$) (81:82)
- Interval: P4 (43 $^\circ$) (128:129)
- Interval: aug4 (47 $^\circ$) (729:752)

Standard utonal notation below $\flat E$

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Staff 1 (Treble clef):

- Interval: M3 ($\flat 5$) (80:81)
- Interval: m7 ($\flat 7$) (63:64)
- Interval: P4 ($\flat 11$) (33:32)
- Interval: M6 ($\flat 13$) (26:27)

Staff 2 (Bass clef):

- Interval: aug8 ($\flat 17$) (2176:2187)
- Interval: m3 ($\flat 19$) (513:512)
- Interval: aug4 ($\flat 23$) (736:729)
- Interval: m7 ($\flat 29$) (261:256)
- Interval: P8 ($\flat 31$) (31:32)

Staff 3 (Bass clef):

- Interval: M2 ($\flat 37$) (37:36)
- Interval: M3 ($\flat 41$) (82:81)
- Interval: P4 ($\flat 43$) (129:128)
- Interval: aug4 ($\flat 47$) (752:729)