

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 utonal notation above $\flat A$

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Notes and ratios shown:

- 8 \sqcap (partial interval alteration)
- +2
- 14
- 5 $^\circ$ M3 (81:80)
- 31
- 7 $^\circ$ m7 (64:63)
- 14
- +4
- +51
- 11 $^\circ$ P4 (32:33)
- +2
- F+41
- 13 $^\circ$ M6 (27:26)
- 31
- 12
- 17 $^\circ$ aug8 (2187:2176)
- +5
- +4
- 19 $^\circ$ m3 (512:513)
- 2
- 14
- 29
- +51
- +28
- +2
- 23 $^\circ$ aug4 (729:736)
- +6
- +30
- 27
- F+41
- 31
- 12
- A \flat +45
- 29 $^\circ$ m7 (256:261)
- 31 $^\circ$ P8 (32:31)
- A \sharp -47
- 45
- 37 $^\circ$ M2 (36:37)
- 2
- C+42
- 14
- 41 $^\circ$ M3 (81:82)
- 29
- 43 $^\circ$ P4 (128:129)
- 10
- 47 $^\circ$ aug4 (729:752)
- E-34
- +2
- E+38

Standard utonal notation below $\flat E$

Standard utonal notation below $\flat E$

Notes and ratios shown:

- +2
- 8 \sqcap
- +2
- +2
- +16
- +33
- +2
- 2
- +16
- 49
- u11 P4 (33:32)
- G \sharp -39
- u13 M6 (26:27)
- +33
- +14
- +2
- 3
- 2
- u17 aug8 (2176:2187)
- +4
- +16
- +31
- 49
- 26
- u19 m3 (513:512)
- u23 aug4 (736:729)
- +29
- G \sharp -39
- +33
- +14
- F-43
- +2
- +47
- +4
- C \sharp -41
- +16
- +31
- +12
- 4
- 28
- 51
- 3
- 2
- 49
- u29 m7 (261:256)
- u31 P8 (31:32)
- u37 M2 (37:36)
- 27
- 10
- 49
- 26
- A+36
- u41 M3 (82:81)
- u43 P4 (129:128)
- u47 aug4 (752:729)
- A-36