

Wolfgang von Schweinitz

Plainsound Sequence in 41-limit Just Intonation

for the Harmonic Space Orchestra

op. 71
2025

PLAINSOUND MUSIC EDITION

This iPad performance score is licensed under a
Creative Commons
Attribution-NonCommercial NoDerivs 3.0 Unported License

composed on April 1, 2025

for six instruments with flexible intonation

as a contribution
to the
Harmonic Space Orchestra's
Chord Collection

Performance duration
circa 1 minute

Prime Harmonic 17	≈	≉	Alteration by one 17-limit schisma (2187/2176)	8.7 cents
Prime Harmonic 19	↘	↙	Alteration by one 19-limit schisma (513/512)	3.4 cents
Prime Harmonic 23	↓	↑	Alteration by one 23-limit comma (736/729)	16.5 cents
Prime Harmonic 29	⇓	⇑	Alteration by one 29-limit sixthtone (261/256)	33.5 cents
Prime Harmonic 31	↙	↘	Alteration by one 31-limit quartertone (32/31)	55.0 cents
Prime Harmonic 37	↘	↙	Alteration by one 37-limit quartertone (37/36)	47.4 cents
Prime Harmonic 41	-	+	Alteration by one 41-limit comma (82/81)	21.2 cents
Prime Harmonic 43	▼	▲	Alteration by one 43-limit comma (129/128)	13.5 cents
Prime Harmonic 47	⇓	⇑	Alteration by one 47-limit quartertone (752/729)	53.8 cents

CENTS: The HEJI accidentals may be combined with an indication of their deviation in cents from Equal Temperament.

These accidentals for Just Intonation were devised in collaboration with Marc Sabat in the early 2000s and revised in 2020 by Marc Sabat and Thomas Nicholson in collaboration with Catherine Lamb and M.O. Abbott

The Helmholtz-Ellis JI Pitch Notation HEJI 2020

Harmonic / Subharmonic series $^{\circ}1\text{-}^{\circ}49$ notated by modifications of Pythagorean notes

atonal notation above Pythagorean A

Three staves of musical notation. The first staff is in bass clef, the second and third in treble clef. The notation includes various accidentals and pitch bends. Numerical values are placed above and below notes to indicate modifications. The first staff has values: +2, +2, -14, -31, +4, +51, +2, -14, -59, -31, -12. The second staff has values: +5, +4, +51, +28, +2, +6, +30, -2, -14, -29, -27, -59, -31, -12, -55. The third staff has values: +53, +5, +4, +51, +29, +12, +51, +28, +66, +2, -45, -2, -58, -14, -29, -10, -62.

atonal notation below Pythagorean E

Three staves of musical notation. The first staff is in treble clef, the second and third in bass clef. The notation includes various accidentals and pitch bends. Numerical values are placed above and below notes to indicate modifications. The first staff has values: +2, +2, +16, +33, +2, +16, +61, +33, +14, +2. The second staff has values: +4, +16, +31, +29, +61, +33, +14, +57, +2, -3, -2, -49, -26, -4, -28. The third staff has values: +47, +4, +59, +16, +31, +12, +64, -51, -3, -2, -49, -27, -10, -49, -26, -64.

Plainsound Sequence in 41-limit Just Intonation

for the Harmonic Space Orchestra

Wolfgang von Schweinitz
oip.71 (2025)

Andante ♩ = 72

1 non vib. *pp* *p* *>pp*

2 non vib. *p* *pp* *p* *>pp*

3 non vib. *p* *pp* *p* *pp*

4 non vib. *p* *pp* *p* *pp*

5 non vib. *p* *pp* *p* *pp*

6 non vib. *pp* *p* *pp*

24:25 (71 c) 40:41 (43 c) 41:42 (42 c)

10:9 (-182 c) 21:20 (-84 c) 16:15 (-112 c) 15:16 (112 c)