

32 TONE JUST SCALE (PARTIALS 32-64 in C)

32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64

PIANO TUNING TO ACCOMODATE JUST SCALE (PARTIALS 59 & 61 OMITTED (B↓ & B↑))

LOWER OCTAVES TUNED IDENTICALLY

16 17 18 19 20 21 22 24 26 27 28 30 32 34 36 38 40 42 45 48 50 53 56 60 64 33 35 37 39 41 43 46 49 52 54 58 62 33 35 37 39 41 45 47 49 51 55 57 63

ACCIDENTALS APPLY IN THIS ORDER: b ↓ ↓ ↓ ↑ # #, BUT SHOULD NOT BE INTERPRETED AS STRICTLY LINEAR DIVISIONS OF A WHOLE TONE IN EQUAL TEMPERAMENT.

PARTIALS 5, 9, 15, 27 & 43 (AND OCTAVE EQUIVALENTS) ARE NOTATED AS NATURAL PITCHES TO ILLUSTRATE PRIMARY HARMONIC RELATIONSHIPS. THEIR ACTUAL FREQUENCIES DEVIATE TO VARIOUS DEGREES FROM EQUAL TEMPERED PITCHES (E, D, B, A, F). THIS PRINCIPLE ALSO APPLIES TO THE INTERPRETATION OF # OR b.

A SLIGHT DISCREPANCY EXISTS IN SOME RELATIONSHIPS LABELED AS PERFECT FIFTHS OR FOURTHS.