

Harmonic series chart

A harmonic series is the set of frequencies which are all positive integer multiples of a common fundamental frequency. When displayed via musical notation, it forms the well known pattern shown below.

This chart shows the first 24 partials of a harmonic series built on the C below the bass clef (though the entire series could easily be transposed to a different fundamental). It also details how far each of the partials (when tuned correctly) deviates from the closest representative pitches in the equal tempered chromatic scale.

Just intonation is the act of tuning the component pitches of chords to the partials of a harmonic series.

