

musical pitch

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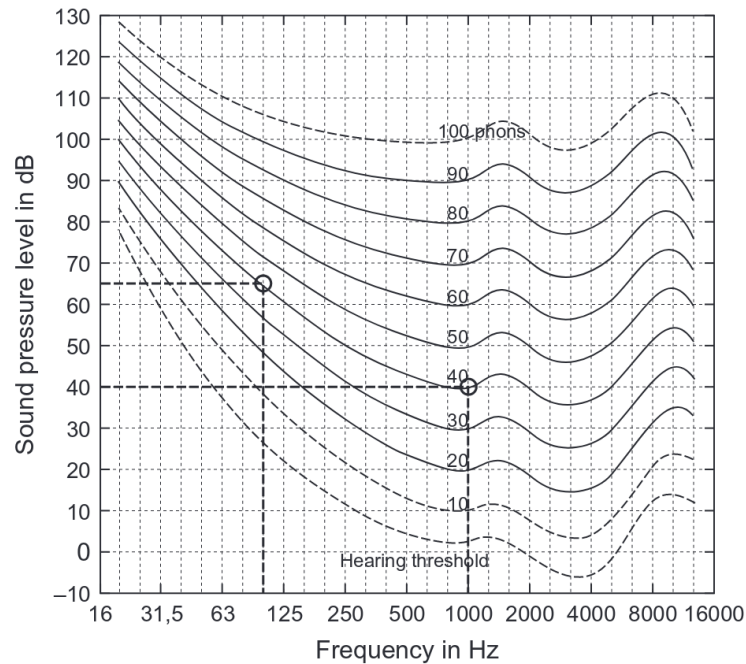
Pitch is the perception of primarily frequency. Frequency of sound waves is the sensation detected while musical pitch is the perception experienced.

1 Elements of pitch

1.1 Frequency

The amount of cycles per second in a graphical representation of a wave. While this is the primary determinant of pitch it is not the only determinant of pitch.

1.2 Loudness



pdf “The Psychology Of Music”, 2013, p. 5 **Figure 2** The equal-loudness contours, taken from ISO 226:2003. Original figure kindly provided by Brian C. J. Moore. p. 5

- Note taken on [2024-04-17 Wed 17:49]
ISO 266:2003 has been withdrawn. ISO 266:2023 is the current standard.

1.2.1 Amplitude

The height from the equilibrium point in a wave. Amplitude contributes to our perception of loudness. Loudness in turn contributes to our perception of pitch. However amplitude is not the whole story.

2 Illusions of pitch

2.1 Shepard Tones

Pitch chroma without definite pitch height.

3 Relationships to other musical parameters

3.1 Rhythm

3.2 Tuning and Scales

3.3 Timbre and Spectrum

4 Bibliography

- [1] D. Deutsch, Ed., *The Psychology Of Music*, Third edition. Amsterdam: Academic Press, 2013. Available: <https://doi.org/10.1016/B978-0-12-381460-9.00001-8>