

Pitch vs. Frequency:

Pitch = human ear's perception of frequency of a sound vibration

Low pitch \Leftrightarrow low frequency of vibration/oscillation

High pitch \Leftrightarrow high frequency of vibration/oscillation

Q: Is the relation between {perceived} pitch vs. frequency linear?

e.g. a straight line $y = mx + b$ relation? A: **No**... See figure below:

Define frequency “units” associated with subjective pitch = mels \Leftrightarrow analogous to **Hz**.

