

Cello Standards: Equal Temperament

ET Equation: _____

Interval Ratio: _____

Base Pitch: _____

Note Name	Interval Name	Ratio	Frequency (Hz)	Median Boundary (Hz)
A	_____	_____	_____	_____
A#/B \flat	_____	_____	_____	_____
B	_____	_____	_____	_____
C	_____	_____	_____	_____
C#/D \flat	_____	_____	_____	_____
D	_____	_____	_____	_____
D#/E \flat	_____	_____	_____	_____
E	_____	_____	_____	_____
F	_____	_____	_____	_____
F#/G \flat	_____	_____	_____	_____
G	_____	_____	_____	_____
G#/A \flat	_____	_____	_____	_____
A	_____	_____	_____	_____

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ET Equation: $P_n = P_a \left(\sqrt[12]{2} \right)^{(n-a)} \rightarrow I * 2^{(h/12)}$

Interval Ratio: 100 cents = 1.05949038 (half step)

Base Pitch: A220

Note Name	Interval Name	Ratio	Frequency (Hz)	Median Boundary (Hz)
A	<u>P1</u>	<u>$2^{(0/12)} = 1.000000\dots$</u>	<u>220.0000</u>	<u>226.5409</u>
A#/Bb	<u>m2</u>	<u>$2^{(1/12)} = 1.059463\dots$</u>	<u>233.0819</u>	<u>240.0118</u>
B	<u>M2</u>	<u>$2^{(2/12)} = 1.222462\dots$</u>	<u>246.9417</u>	<u>254.2836</u>
C	<u>m3</u>	<u>$2^{(3/12)} = 1.189207\dots$</u>	<u>261.6256</u>	<u>269.4041</u>
C#/Db	<u>M3</u>	<u>$2^{(4/12)} = 1.259921\dots$</u>	<u>277.1826</u>	<u>285.4237</u>
D	<u>P4</u>	<u>$2^{(5/12)} = 1.334839\dots$</u>	<u>293.6648</u>	<u>302.3959</u>
D#/Eb	<u>TT</u>	<u>$2^{(6/12)} = 1.414213\dots$</u>	<u>311.1270</u>	<u>320.3773</u>
E	<u>P5</u>	<u>$2^{(7/12)} = 1.498307\dots$</u>	<u>329.6276</u>	<u>339.4279</u>
F	<u>m6</u>	<u>$2^{(8/12)} = 1.587401\dots$</u>	<u>349.2282</u>	<u>359.6113</u>
F#/Gb	<u>M6</u>	<u>$2^{(9/12)} = 1.681792\dots$</u>	<u>369.9944</u>	<u>380.9947</u>
G	<u>m7</u>	<u>$2^{(10/12)} = 1.781794\dots$</u>	<u>391.9954</u>	<u>403.6500</u>
G#/Ab	<u>M7</u>	<u>$2^{(11/12)} = 1.887748\dots$</u>	<u>415.3047</u>	<u>427.6523</u>
A	<u>P8</u>	<u>$2^{(12/12)} = 2.000000\dots$</u>	<u>440.0000</u>	