

Physics of Music - Notes

Frequencies for equal-tempered scale

This table created using $A_4 = 440$ Hz

Speed of sound = 345 m/s = 1130 ft/s = 770 miles/hr

$\{(B) E, A, D, G\}$

-----> = Bass Guitar Frequencies
("Middle C" is C_4)

● = Guitar String Frequencies / Notes - {E, A, D, G, B, E} open notes

Note	Frequency (Hz)	Wavelength (cm)
C_0	16.35	2100.
$C^\#_0/D^b_0$	17.32	1990.
D_0	18.35	1870.
$D^\#_0/E^b_0$	19.45	1770.
E_0	20.60	1670.
F_0	21.83	1580.
$F^\#_0/G^b_0$	23.12	1490.
G_0	24.50	1400.
$G^\#_0/A^b_0$	25.96	1320.
A_0	27.50	1250.
$A^\#_0/B^b_0$	29.14	1180.
B_0	30.87	1110.
C_1	32.70	1050.
$C^\#_1/D^b_1$	34.65	996.
D_1	36.71	940.
$D^\#_1/E^b_1$	38.89	887.
E_1	41.20	837.
F_1	43.65	790.
$F^\#_1/G^b_1$	46.25	746.
G_1	49.00	704.

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