

Theoretical Hurdy Gurdy Tangent Positions for Equal and Just Temperament

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Enter String Length **345**

| Equal Temperament | | | Just Temperament | | | Tangent Moves | Tuning Open G | Tuning Open D |
|-------------------|-------------------|----------|------------------|------------------|-------------------|---------------|---------------|---------------|
| Inverse Cents | Distance Fr Ratio | From Nut | Freq Ratio | Inverse Fr Ratio | Distance From Nut | | | |
| 0 | 1.0000 | | 1 : 1 | 1.0000 | | | G | D |
| 100 | 0.9439 | 19.4 | 16 : 15 | 0.9375 | 21.6 | 2.2 | Ab | Eb |
| 200 | 0.8909 | 37.6 | 9 : 8 | 0.8889 | 38.3 | 0.7 | A | E |
| 300 | 0.8409 | 54.9 | 6 : 5 | 0.8333 | 57.5 | 2.6 | Bb | F |
| 400 | 0.7937 | 71.2 | 5 : 4 | 0.8000 | 69.0 | -2.2 | B | F# |
| 500 | 0.7492 | 86.5 | 4 : 3 | 0.7500 | 86.3 | -0.3 | C | G |
| 600 | 0.7071 | 101.0 | 45 : 32 | 0.7111 | 99.7 | -1.4 | C# | Ab |
| 700 | 0.6674 | 114.7 | 3 : 2 | 0.6667 | 115.0 | 0.3 | D | A |
| 800 | 0.6300 | 127.7 | 8 : 5 | 0.6250 | 129.4 | 1.7 | Eb | Bb |
| 900 | 0.5946 | 139.9 | 5 : 3 | 0.6000 | 138.0 | -1.9 | E | B |
| 1000 | 0.5612 | 151.4 | 16 : 9 | 0.5625 | 150.9 | -0.4 | F | C |
| 1100 | 0.5297 | 162.2 | 15 : 8 | 0.5333 | 161.0 | -1.2 | F# | C# |
| 1200 | 0.5000 | 172.5 | 2 : 1 | 0.5000 | 172.5 | 0.0 | G | D |
| 1300 | 0.4719 | 182.2 | 32 : 15 | 0.4688 | 183.3 | 1.1 | Ab | Eb |
| 1400 | 0.4454 | 191.3 | 18 : 8 | 0.4444 | 191.7 | 0.3 | A | E |
| 1500 | 0.4204 | 199.9 | 12 : 5 | 0.4167 | 201.3 | 1.3 | Bb | F |
| 1600 | 0.3969 | 208.1 | 10 : 4 | 0.4000 | 207.0 | -1.1 | B | F# |
| 1700 | 0.3746 | 215.8 | 8 : 3 | 0.3750 | 215.6 | -0.1 | C | G |
| 1800 | 0.3536 | 223.0 | 90 : 32 | 0.3556 | 222.3 | -0.7 | C# | Ab |
| 1900 | 0.3337 | 229.9 | 6 : 2 | 0.3333 | 230.0 | 0.1 | D | A |
| 2000 | 0.3150 | 236.3 | 16 : 5 | 0.3125 | 237.2 | 0.9 | Eb | Bb |
| 2100 | 0.2973 | 242.4 | 10 : 3 | 0.3000 | 241.5 | -0.9 | E | B |
| 2200 | 0.2806 | 248.2 | 32 : 9 | 0.2813 | 248.0 | -0.2 | F | C |
| 2300 | 0.2649 | 253.6 | 30 : 8 | 0.2667 | 253.0 | -0.6 | F# | C# |
| 2400 | 0.2500 | 258.7 | 4 : 1 | 0.2500 | 258.8 | 0.0 | G | D |