

Comparative Table of Musical Intervals – Andrián Pertout (2007)

Relative Pitch: A₄=440Hz / C₄ (middle C)=261.6255654Hz

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
01	unison (1st harmonic)	1/1	1.000000	261.626	0.000
02	equal hundredth-semitone	$\sqrt[1200]{2}$, or approximately 1731/1730	1.000578	261.777	1.000
03	one-eleventh syntonic comma, or skhisma	$\sqrt[11]{\frac{81}{80}}$, or 32805/32768	1.001130	261.921	1.955
04	one-sixth syntonic comma	$\sqrt[6]{\frac{81}{80}}$	1.002073	262.168	3.584
05	cyclic octave (A) LIII	$3^{53}/2^{84}$	1.002090	262.172	3.615
06	one-fifth syntonic comma	$\sqrt[5]{\frac{81}{80}}$	1.002488	262.276	4.301
07	two-ninth syntonic comma	$\sqrt[4.5]{\frac{81}{80}}$	1.002764	262.349	4.779
08	one-quarter syntonic comma	$\sqrt[4]{\frac{81}{80}}$	1.003110	262.439	5.377
09	two-seventh syntonic comma	$\sqrt[3.5]{\frac{81}{80}}$	1.003556	262.556	6.145
10	one-third syntonic comma	$\sqrt[3]{\frac{81}{80}}$	1.004149	262.711	7.169
11	one-half syntonic comma	$\sqrt[2]{\frac{81}{80}}$	1.006231	263.256	10.753
12	nonavigesimal comma	145/144	1.006944	263.442	11.981
13	equal sixteenth-tone	$\sqrt[96]{2}$	1.007246	263.521	12.500
14	three-quarter syntonic comma	$1.333333\sqrt[3]{\frac{81}{80}}$	1.009360	264.074	16.130
15	equal twelfth-tone	$\sqrt[72]{2}$	1.009674	264.156	16.667
16	nonadecimal comma	96/95	1.010526	264.380	18.128
17	subdiminished second, or diaskhisma	2048/2025	1.011358	264.597	19.553
18	syntonic comma	81/80	1.012500	264.896	21.506
19	53-et syntonic comma	$\sqrt[53]{2}$	1.013164	265.070	22.642
20	Pythagorean comma (A) XII	$3^{12}/2^{19}$, or 531441/524288	1.013643	265.195	23.460
21	equal eighth-tone	$\sqrt[48]{2}$	1.014545	265.431	25.000

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
22	tridecimal comma (65th harmonic)	$65/64$	1.015625	265.713	26.841
23	one and one-quarter syntonic comma	$0.8\sqrt[8]{\frac{81}{80}}$	1.015649	265.720	26.883
24	minimal diesis	$20000/19683$	1.016105	265.839	27.660
25	43-et diminished second	$\sqrt[43]{2}$	1.016250	265.877	27.907
26	grave or small diesis	$3125/3072$	1.017253	266.139	29.614
27	one and one-half syntonic comma	$0.666667\sqrt[8]{\frac{81}{80}}$	1.018808	266.546	32.259
28	equal sixth-tone	$\sqrt[36]{2}$	1.019441	266.712	33.333
29	septendecimal comma	$51/50$	1.020000	266.858	34.283
30	one and three-quarter syntonic comma	$0.571429\sqrt[8]{\frac{81}{80}}$	1.021977	267.375	37.636
31	trivigesimal comma	$46/45$	1.022222	267.439	38.051
32	31-et superoctave, or diminished second	$\sqrt[31]{2}$	1.022611	267.541	38.710
33	undecimal grave or small chromatic semitone	$45/44$	1.022727	267.572	38.906
34	equal fifth-tone	$\sqrt[30]{2}$	1.023374	267.741	40.000
35	diminished second, or great diesis	$128/125$	1.024000	267.905	41.059
36	two syntonic commas, or Mathieu superdiesis	$0.5\sqrt[8]{\frac{81}{80}}$, or $6561/6400$	1.025156	268.207	43.013
37	53-et great diesis	$(\sqrt[53]{2})^2$	1.026502	268.559	45.283
38	great diesis (A) XXIV	$3^{24}/2^{38}$	1.027473	268.813	46.920
39	two and one-quarter syntonic comma	$0.444444\sqrt[8]{\frac{81}{80}}$	1.028345	269.041	48.389
40	septimal comma	$36/35$	1.028571	269.101	48.770
41	equal quarter-tone	$\sqrt[24]{2}$, or approximately $527/512$	1.029302	269.292	50.000
42	23-et Greek enharmonic or septimal quarter-tone	$\sqrt[23]{2}$	1.030596	269.630	52.174
43	undecimal comma (33rd harmonic)	$33/32$	1.031250	269.801	53.273

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
44	two and one-half syntonic comma	$0.4\sqrt[4]{\frac{81}{80}}$	1.031544	269.878	53.766
45	22-et Greek enharmonic or septimal quarter-tone	$\sqrt[22]{2}$	1.032008	270.000	54.545
46	untrigesimal diatonic semitone, or Greek enharmonic quarter-tone	32/31	1.032258	270.065	54.964
47	43-et double augmented seventh	$(\sqrt[43]{2})^2$	1.032765	270.198	55.814
48	Greek enharmonic quarter-tone, or untrigesimal comma	31/30	1.033333	270.346	56.767
49	21-et Greek enharmonic or septimal quarter-tone	$\sqrt[21]{2}$	1.033558	270.405	57.143
50	two and three-quarter syntonic comma	$0.363636\sqrt[36]{\frac{81}{80}}$	1.034752	270.718	59.142
51	20-et Greek enharmonic or septimal quarter-tone	$\sqrt[20]{2}$	1.035265	270.852	60.000
52	19-et just diatonic semitone, or major half-tone	$\sqrt[19]{2}$	1.037155	271.346	63.158
53	three syntonic commas	$0.333333\sqrt[33]{\frac{81}{80}}$, or 531441/512000	1.037971	271.560	64.519
54	tridecimal grave or small chromatic semitone	27/26	1.038462	271.688	65.337
55	18-et grave or small chromatic semitone, or equal third-tone	$\sqrt[18]{2}$	1.039259	271.897	66.667
56	Pythagorean double diminished third	134217728/129140163	1.039318	271.912	66.765
57	53-et grave or small chromatic semitone, or minor half-tone	$(\sqrt[53]{2})^3$	1.040015	272.094	67.925
58	three and one-quarter syntonic comma	$0.307692\sqrt[307]{\frac{81}{80}}$	1.041199	272.404	69.895
59	cyclic grave or small chromatic semitone, or minor half-tone (A) XXXVI	$3^{36}/2^{57}$	1.041491	272.481	70.380
60	17-et grave or small chromatic semitone, or minor half-tone	$\sqrt[17]{2}$	1.041616	272.513	70.588
61	grave or small just chromatic semitone, or minor half-tone	25/24	1.041667	272.527	70.672
62	trivigesimal diatonic semitone	24/23	1.043478	273.001	73.681
63	16-et grave or small chromatic semitone, or minor half-tone	$\sqrt[16]{2}$	1.044274	273.209	75.000
64	three and one-half syntonic comma	$0.285714\sqrt[2857]{\frac{81}{80}}$	1.044438	273.252	75.272
65	meantone chromatic semitone, or minor half-tone (A) VII $-1\frac{3}{4}$	$2187/2048 \times 0.571429\sqrt[5714]{\frac{80}{81}}$	1.044907	273.374	76.049

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66	31-et augmented octave, or subminor second	$(\sqrt[31]{2})^2$	1.045734	273.591	77.419
67	67th harmonic	67/64	1.046875	273.889	79.070
68	15-et grave or small chromatic semitone, or minor half-tone	$\sqrt[15]{2}$	1.047294	273.999	80.000
69	nonavigesimal grave or small chromatic semitone	243/232	1.047414	274.030	80.198
70	three and three-quarter syntonic comma	$0.266667\sqrt[81]{\frac{81}{80}}$	1.047687	274.102	80.649
71	43-et chromatic semitone, or minor half-tone	$(\sqrt[43]{2})^3$	1.049547	274.588	83.721
72	septimal diatonic semitone	21/20	1.050000	274.707	84.467
73	14-et Pythagorean limma	$\sqrt[14]{2}$	1.050757	274.905	85.714
74	Pythagorean limma, or diatonic semitone (D) v	256/243	1.053498	275.622	90.225
75	53-et Pythagorean limma	$(\sqrt[53]{2})^4$	1.053705	275.676	90.566
76	acute or large Pythagorean limma	135/128	1.054688	275.933	92.179
77	13-et Pythagorean limma	$\sqrt[13]{2}$	1.054766	275.954	92.308
78	nonadecimal diatonic semitone	19/18	1.055556	276.160	93.603
79	cyclic Pythagorean limma (A) XLVIII	$3^{48}/2^{76}$	1.055700	276.198	93.840
80	septendecimal diatonic semitone	18/17	1.058824	277.015	98.955
81	equal semitone	$\sqrt[12]{2}$, or approximately 1024/967	1.059463	277.183	100.000
82	23-et just diatonic semitone, or major half-tone	$(\sqrt[23]{2})^2$	1.062127	277.880	104.348
83	septendecimal chromatic semitone (17th harmonic)	17/16	1.062500	277.977	104.955
84	11-et just diatonic semitone, or major half-tone	$\sqrt[11]{2}$	1.065041	278.642	109.091
85	nonadecimal chromatic semitone	81/76	1.065789	278.838	110.307
86	43-et minor second	$(\sqrt[43]{2})^4$	1.066603	279.051	111.628
87	just diatonic semitone, or major half-tone	16/15	1.066667	279.067	111.731

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88	53-et just diatonic semitone, or major half-tone	$(\sqrt[53]{2})^5$	1.067577	279.305	113.208
89	Pythagorean apotome, or chromatic semitone (A) VII	$3^7/2^{11}$, or 2187/2048	1.067871	279.382	113.685
90	21-et just diatonic semitone, or major half-tone	$(\sqrt[21]{2})^2$	1.068242	279.479	114.286
91	31-et superaugmented octave, or minor second	$(\sqrt[31]{2})^3$	1.069380	279.777	116.129
92	meantone minor second (D) V +1¼	$256/243 \times \sqrt[0.8]{\frac{81}{80}}$	1.069984	279.935	117.108
93	septimal chromatic semitone	15/14	1.071429	280.313	119.443
94	10-et just diatonic semitone, or major half-tone	$\sqrt[10]{2}$	1.071773	280.403	120.000
95	nonavigesimal grave or small neutral second	29/27	1.074074	281.005	123.712
96	19-et great limma, or large half-tone	$(\sqrt[19]{2})^2$	1.075691	281.428	126.316
97	trivigesimal chromatic semitone (69th harmonic)	69/64	1.078125	282.065	130.229
98	great limma, acute or large half-tone	27/25	1.080000	282.556	133.238
99	9-et great limma, or large half-tone	$\sqrt[9]{2}$	1.080060	282.571	133.333
100	53-et great limma, acute or large half-tone	$(\sqrt[53]{2})^6$	1.081630	282.897	135.849
101	cyclic great limma, acute or large half-tone (A) XIX	$3^{19}/2^{30}$	1.082440	283.194	137.145
102	tridecimal grave or small neutral second	13/12	1.083333	283.428	138.573
103	43-et double diminished third	$(\sqrt[43]{2})^5$	1.083936	283.585	139.535
104	17-et three-quarter-tone	$(\sqrt[17]{2})^2$	1.084964	283.854	147.143
105	three-quarter-tone	135/124	1.088710	284.834	141.176
106	untrigesimal chromatic semitone	279/256	1.089844	285.131	148.946
107	equal three-quarter-tone	$\sqrt[8]{2}$, or approximately 1024/939	1.090508	285.305	150.000
108	undecimal grave or small neutral second	12/11	1.090909	285.410	150.637
109	meantone double augmented octave (A) XIV -3½	$4782969/4194304 \times \sqrt[0.285714]{\frac{80}{81}}$	1.091830	285.651	152.098

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110	31-et double augmented octave, or neutral second	$(\sqrt[31]{2})^4$	1.093560	286.103	154.839
111	septimal neutral second (35th harmonic)	35/32	1.093750	286.153	155.140
112	23-et grave or small tone	$(\sqrt[23]{2})^3$	1.094624	286.382	156.522
113	53-et grave or small tone	$(\sqrt[53]{2})^7$	1.095869	286.707	158.491
114	15-et grave or small tone	$(\sqrt[15]{2})^2$	1.096825	286.957	160.000
115	cyclic grave or small tone (A) XXXI	$3^{31}/2^{49}$	1.097208	287.058	160.605
116	grave or small tone	800/729	1.097394	287.106	160.897
117	acute or large double augmented octave	1125/1024	1.098633	287.430	162.851
118	22-et grave or small tone	$(\sqrt[22]{2})^3$	1.099131	287.561	163.636
119	undecimal acute or large neutral second	11/10	1.100000	287.788	165.004
120	43-et double augmented octave	$(\sqrt[43]{2})^6$	1.101550	288.194	167.442
121	nonavigesimal acute or large neutral second	32/29	1.103448	288.690	170.423
122	7-et grave or small tone	$\sqrt[7]{2}$	1.104090	288.858	171.429
123	tridecimal acute or large neutral second	72/65	1.107692	289.801	177.069
124	71st harmonic	71/64	1.109375	290.241	179.697
125	20-et just minor tone	$(\sqrt[20]{2})^3$	1.109569	290.292	180.000
126	Pythagorean diminished third (D) x	65536/59049	1.109858	290.367	180.450
127	53-et just minor tone	$(\sqrt[53]{2})^8$	1.110295	290.482	181.132
128	just minor tone	10/9	1.111111	290.695	182.404
129	cyclic minor tone (A) XLIII	$3^{43}/2^{68}$	1.112178	290.974	184.065
130	acute or large double supraaugmented octave	18225/16384	1.112366	291.023	184.357
131	13-et just minor tone	$(\sqrt[13]{2})^2$	1.112531	291.067	184.616

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132	19-et just minor tone	$(\sqrt[19]{2})^3$	1.115658	291.885	189.474
133	third-comma meantone major tone (A) II $-\frac{2}{3}$	$9/8 \times \sqrt[1.5]{\frac{80}{81}}$	1.115722	291.901	189.572
134	two-seventh-comma meantone major tone (A) II $-\frac{4}{7}$	$9/8 \times \sqrt[1.75]{\frac{80}{81}}$	1.117042	292.247	191.621
135	meantone major tone (A) II $-\frac{1}{2}$	$9/8 \times \sqrt[2]{\frac{80}{81}}$	1.118034	292.506	193.157
136	31-et just and Pythagorean major tone	$(\sqrt[31]{2})^5$	1.118287	292.572	193.548
137	two-ninth-comma meantone major tone (A) II $-\frac{4}{9}$	$9/8 \times \sqrt[2.25]{\frac{80}{81}}$	1.118806	292.708	194.352
138	fifth-comma meantone major tone (A) II $-\frac{2}{5}$	$9/8 \times \sqrt[2.5]{\frac{80}{81}}$	1.119424	292.870	195.307
139	43-et just and Pythagorean major tone	$(\sqrt[43]{2})^7$	1.119450	292.877	195.349
140	sixth-comma meantone major tone (A) II $-\frac{2}{6}$	$9/8 \times \sqrt[3]{\frac{80}{81}}$	1.120351	293.113	196.741
141	equal tone	$\sqrt[6]{2}$, or approximately 55/49	1.122462	293.665	200.000
142	nonadecimal supermajor second	64/57	1.122807	293.755	200.532
143	65-et just and Pythagorean major tone	$(\sqrt[65]{2})^{11}$	1.124459	294.187	203.077
144	118-et just and Pythagorean major tone	$(\sqrt[118]{2})^{20}$	1.124662	294.240	203.390
145	53-et just and Pythagorean major tone	$(\sqrt[53]{2})^9$	1.124911	294.306	203.774
146	just and Pythagorean major tone (A) II (9th harmonic)	9/8	1.125000	294.329	203.910
147	41-et just and Pythagorean major tone	$(\sqrt[41]{2})^7$	1.125629	294.493	204.878
148	140-et just and Pythagorean major tone	$(\sqrt[140]{2})^{24}$	1.126173	294.636	205.714
149	99-et just and Pythagorean major tone	$(\sqrt[99]{2})^{17}$	1.126398	294.695	206.061
150	87-et just and Pythagorean major tone	$(\sqrt[87]{2})^{15}$	1.126942	294.837	206.897
151	55th cyclic fifth (A) LV	$3^{55}/2^{87}$	1.127352	294.944	207.525
152	23-et just and Pythagorean major tone	$(\sqrt[23]{2})^4$	1.128114	295.143	208.696
153	17-et just and Pythagorean major tone	$(\sqrt[17]{2})^3$	1.130116	295.667	211.765

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154	septendecimal supermajor second	17/15	1.133333	296.509	216.687
155	11-et acute or large tone	$(\sqrt[11]{2})^2$	1.134313	296.765	218.182
156	43-et diminished third	$(\sqrt[43]{2})^8$	1.137642	297.636	223.256
157	subdiminished third, or acute or large tone	256/225	1.137778	297.672	223.463
158	16-et acute or large tone	$(\sqrt[16]{2})^3$	1.138789	297.936	225.000
159	acute or large tone	729/640	1.139063	298.008	225.416
160	53-et acute or large tone	$(\sqrt[53]{2})^{10}$	1.139720	298.180	226.415
161	Pythagorean double augmented octave, or cyclic acute or large tone (A) XIV	$3^{14}/2^{22}$, or 4782969/4194304	1.140349	298.344	227.370
162	73rd harmonic	73/64	1.140625	298.417	227.789
163	21-et acute or large tone	$(\sqrt[21]{2})^4$	1.141140	298.551	228.571
164	septimal supermajor second	8/7	1.142857	299.001	231.174
165	31-et supermajor second, or diminished third	$(\sqrt[31]{2})^6$	1.143573	299.188	232.258
166	meantone diminished third (D) x +2 1/2	$65536/59049 \times \sqrt[0.4]{\frac{81}{80}}$	1.144867	299.526	234.216
167	untrigesimal supermajor second	31/27	1.148148	300.385	239.171
168	5-et supermajor second	$\sqrt[5]{2}$	1.148698	300.529	240.000
169	trivigesimal supermajor second	23/20	1.150000	300.869	241.961
170	undecimal grave or small augmented second	405/352	1.150568	301.018	242.816
171	supermajor second	59049/51300	1.151053	301.145	243.545
172	diminished third	144/125	1.152000	301.393	244.969
173	tridecimal grave or small augmented second	15/13	1.153846	301.876	247.741
174	53-et supermajor second	$(\sqrt[53]{2})^{11}$	1.154723	302.105	249.057
175	five equal quarter-tones	$(\sqrt[24]{2})^5$, or approximately 52/45	1.155353	302.270	250.000

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176	cyclic supermajor second (A) XXVI	$3^{26}/2^{41}$	1.155907	302.415	250.830
177	43-et triple augmented octave	$(\sqrt[43]{2})^9$	1.156129	302.473	251.163
178	37th harmonic	37/32	1.156250	302.505	251.344
179	19-et five quarter-tones	$(\sqrt[19]{2})^4$	1.157110	302.730	252.632
180	14-et five quarter-tones	$(\sqrt[14]{2})^3$	1.160129	303.520	257.143
181	untrigesimal subminor third	36/31	1.161290	303.823	258.874
182	five quarter-tones	93/80	1.162500	304.140	260.677
183	23-et five quarter-tones	$(\sqrt[23]{2})^5$	1.162629	304.174	260.870
184	nonavigesimal grave or small augmented second	135/116	1.163793	304.478	262.602
185	9-et five quarter-tones	$(\sqrt[9]{2})^2$	1.166529	305.194	266.667
186	septimal subminor third	7/6	1.166667	305.230	266.871
187	meantone augmented second (A) IX $-2\frac{1}{4}$	$19683/16384 \times \sqrt[0.444444]{\frac{80}{81}}$	1.168241	305.642	269.206
188	31-et augmented second, or subminor third	$(\sqrt[31]{2})^7$	1.169431	305.953	270.968
189	53-et augmented second	$(\sqrt[53]{2})^{12}$	1.169924	306.082	271.698
190	22-et augmented second	$(\sqrt[22]{2})^5$	1.170620	306.264	272.727
191	cyclic augmented second (A) XXXVIII	$3^{38}/2^{60}$	1.171677	306.541	274.290
192	augmented second (75th harmonic)	75/64	1.171875	306.592	274.582
193	13-et augmented second	$(\sqrt[13]{2})^3$	1.173460	307.007	276.923
194	trivigesimal subminor third	27/23	1.173913	307.126	277.591
195	43-et augmented second	$(\sqrt[43]{2})^{10}$	1.174916	307.388	279.070
196	septendecimal subminor third	20/17	1.176471	307.795	281.358
197	17-et augmented second	$(\sqrt[17]{2})^4$	1.177147	307.972	282.353

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198	21-et just minor third	$(\sqrt[21]{2})^5$	1.179434	308.570	285.714
199	nonadecimal superaugmented second	45/38	1.184211	309.820	292.711
200	Pythagorean minor third, or trihemitone (D) III	32/27	1.185185	310.075	294.135
201	53-et Pythagorean minor third, or trihemitone	$(\sqrt[53]{2})^{13}$	1.185325	310.111	294.340
202	acute or large augmented second	1215/1024	1.186523	310.425	296.089
203	nonadecimal subminor, or overtone minor third (19th harmonic)	19/16	1.187500	310.680	297.513
204	cyclic Pythagorean minor third, or trihemitone (A) L	$3^{50}/2^{79}$	1.187663	310.723	297.750
205	equal minor third	$\sqrt[4]{2}$, or approximately 44/37	1.189207	311.127	300.000
206	sixth-comma meantone minor third (D) III + $\frac{3}{8}$	$32/27 \times \sqrt[8]{\frac{81}{80}}$	1.192570	312.007	304.888
207	43-et just minor third	$(\sqrt[43]{2})^{11}$	1.194009	312.383	306.977
208	fifth-comma meantone minor third (D) III + $\frac{3}{5}$	$32/27 \times 1.666667 \sqrt[5]{\frac{81}{80}}$	1.194052	312.395	307.039
209	two-ninth-comma meantone minor third (D) III + $\frac{2}{9}$	$32/27 \times 1.5 \sqrt[9]{\frac{81}{80}}$	1.195041	312.653	308.473
210	septendecimal superaugmented second	153/128	1.195313	312.724	308.865
211	31-et superaugmented second, or just minor third	$(\sqrt[31]{2})^8$	1.195873	312.871	309.677
212	meantone minor third (D) III + $3\frac{3}{4}$	$32/27 \times 1.333333 \sqrt[4]{\frac{81}{80}}$	1.196279	312.977	310.265
213	two-seventh-comma meantone minor third (D) III + $\frac{2}{7}$	$32/27 \times 1.166667 \sqrt[7]{\frac{81}{80}}$	1.197872	313.395	312.569
214	trivigesimal superaugmented second	115/96	1.197917	313.406	312.633
215	23-et just minor third	$(\sqrt[23]{2})^6$	1.198201	313.480	313.043
216	65-et just minor third	$(\sqrt[65]{2})^{17}$	1.198756	313.625	313.846
217	99-et just minor third	$(\sqrt[99]{2})^{26}$	1.199661	313.862	315.152
218	118-et just minor third	$(\sqrt[118]{2})^{31}$	1.199732	313.880	315.254
219	third-comma meantone and just minor third (D) III + 1	$32/27 \times 81/80$, or 6/5	1.200000	313.951	315.641

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
220	19-et just minor third	$(\sqrt[19]{2})^5$	1.200103	313.978	315.789
221	53-et just minor third	$(\sqrt[53]{2})^{14}$	1.200929	314.194	316.981
222	140-et just minor third	$(\sqrt[140]{2})^{37}$	1.201041	314.223	317.143
223	87-et just minor third	$(\sqrt[87]{2})^{23}$	1.201110	314.241	317.241
224	Pythagorean augmented second, or cyclic minor third (A) IX	$3^9/2^{14}$, or 19683/16384	1.201355	314.305	317.595
225	15-et just minor third	$(\sqrt[15]{2})^4$	1.203025	314.742	320.000
226	undecimal neutral third (77th harmonic)	77/64	1.203125	314.768	320.144
227	41-et just minor third	$(\sqrt[41]{2})^{11}$	1.204382	315.097	321.951
228	septimal superaugmented second	135/112	1.205357	315.352	323.353
229	11-et seven quarter-tones	$(\sqrt[11]{2})^3$	1.208089	316.067	327.273
230	nonavigesimal grave or small neutral third	29/24	1.208333	316.131	327.622
231	seven quarter-tones	75/62	1.209677	316.483	329.547
232	untrigesimal superaugmented second	155/128	1.210938	316.812	331.349
233	undecimal grave or small neutral third	40/33	1.212121	317.122	333.041
234	18-et seven quarter-tones	$(\sqrt[18]{2})^5$	1.212326	317.175	333.333
235	43-et double diminished fourth	$(\sqrt[43]{2})^{12}$	1.213412	317.460	334.884
236	grave or small neutral third	243/200	1.215000	317.875	337.148
237	53-et neutral third	$(\sqrt[53]{2})^{15}$	1.216738	318.330	339.623
238	cyclic neutral third (A) XXI	$3^{21}/2^{33}$	1.217745	318.593	341.055
239	tridecimal grave or small neutral third (39th harmonic)	39/32	1.218750	318.856	342.483
240	7-et neutral third	$(\sqrt[7]{2})^2$	1.219014	318.925	342.857
241	acute or large neutral third	8000/6561	1.219326	319.007	343.301

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
242	double augmented second	625/512	1.220703	319.367	345.255
243	undecimal acute or large neutral third	11/9	1.222222	319.765	347.408
244	31-et double augmented second, or neutral third	$(\sqrt[31]{2})^9$	1.222914	319.945	348.387
245	seven equal quarter-tones	$(\sqrt[24]{2})^7$, or approximately 60/49	1.224054	320.244	350.000
246	17-et neutral third	$(\sqrt[17]{2})^5$	1.226135	320.788	352.941
247	tridecimal acute or large neutral third	16/13	1.230769	322.001	359.472
248	10-et grave or small major third	$(\sqrt[10]{2})^3$	1.231144	322.099	360.000
249	53-et grave or small major third	$(\sqrt[53]{2})^{16}$	1.232756	322.520	362.264
250	43-et double augmented second	$(\sqrt[43]{2})^{13}$	1.233131	322.618	362.791
251	cyclic grave or small major third (A) xxxiii	$3^{33}/2^{52}$	1.234359	322.940	364.515
252	79th harmonic	79/64	1.234375	322.944	364.537
253	grave or small major third	100/81	1.234568	322.995	364.807
254	23-et grave or small major third	$(\sqrt[23]{2})^7$	1.234860	323.071	365.217
255	13-et grave or small major third	$(\sqrt[13]{2})^4$	1.237726	323.821	369.231
256	nonavigesimal acute or large neutral third	36/29	1.241379	324.777	374.333
257	16-et grave or small major third	$(\sqrt[16]{2})^5$	1.241858	324.902	375.000
258	19-et just major third	$(\sqrt[19]{2})^6$	1.244693	325.643	378.947
259	third-comma meantone major third (A) IV $-1\frac{1}{3}$	$81/64 \times \sqrt[0.75]{\frac{80}{81}}$	1.244835	325.681	379.145
260	41-et just major third	$(\sqrt[41]{2})^{13}$	1.245801	325.933	380.488
261	22-et just major third	$(\sqrt[22]{2})^7$	1.246758	326.184	381.818
262	two-seventh-comma meantone major third (A) IV $-1\frac{1}{7}$	$81/64 \times \sqrt[0.875]{\frac{80}{81}}$	1.247784	326.452	383.241
263	Pythagorean diminished fourth (D) viii	8192/6561	1.248590	326.663	384.360

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
264	53-et just major third	$(\sqrt[53]{2})^{17}$	1.248984	326.766	384.906
265	140-et just major third	$(\sqrt[140]{2})^{45}$	1.249567	326.919	385.714
266	87-et just major third	$(\sqrt[87]{2})^{28}$	1.249923	327.012	386.207
267	meantone and just major third (A) IV −1 (5th harmonic)	$81/64 \times 80/81$, or $5/4$	1.250000	327.032	386.314
268	118-et just major third	$(\sqrt[118]{2})^{38}$	1.250092	327.056	386.441
269	31-et just major third	$(\sqrt[31]{2})^{10}$	1.250566	327.180	387.097
270	65-et just major third	$(\sqrt[65]{2})^{21}$	1.250996	327.292	387.692
271	99-et just major third	$(\sqrt[99]{2})^{32}$	1.251131	327.328	387.879
272	cyclic major third (A) XLV	$3^{45}/2^{71}$	1.251200	327.346	387.975
273	two-ninth-comma meantone major third (A) IV + $\frac{8}{9}$	$81/64 \times \sqrt[1.125]{\frac{80}{81}}$	1.251727	327.484	388.703
274	fifth-comma meantone major third (A) IV − $\frac{4}{5}$	$81/64 \times \sqrt[1.95]{\frac{80}{81}}$	1.253109	327.845	390.615
275	43-et just major third	$(\sqrt[43]{2})^{14}$	1.253169	327.861	390.698
276	sixth-comma meantone major third (A) IV − $\frac{1}{6}$	$81/64 \times \sqrt[1.5]{\frac{80}{81}}$	1.255187	328.389	393.482
277	septendecimal supermajor third	$34/27$	1.259259	329.454	399.090
278	equal major third	$\sqrt[3]{2}$, or approximately $63/50$	1.259921	329.628	400.000
279	nonadecimal supermajor third	$24/19$	1.263158	330.474	404.442
280	grave or small diminished fourth	$512/405$	1.264198	330.746	405.866
281	53-et Pythagorean major third, or ditone	$(\sqrt[53]{2})^{18}$	1.265426	331.068	407.547
282	Pythagorean major third, or ditone (A) IV (81st harmonic)	$81/64$	1.265625	331.120	407.820
283	57th cyclic fifth (A) LVII	$3^{57}/2^{90}$	1.268271	331.812	411.435
284	23-et Pythagorean major third, or ditone	$(\sqrt[23]{2})^8$	1.272642	332.956	417.391
285	undecimal diminished fourth	$14/11$	1.272727	332.978	417.508

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
286	43-et diminished fourth	$(\sqrt[43]{2})^{15}$	1.273534	333.189	418.605
287	20-et acute or large major third	$(\sqrt[20]{2})^7$	1.274561	333.458	420.000
288	17-et acute or large major third	$(\sqrt[17]{2})^6$	1.277162	334.138	423.529
289	trivigesimal supermajor third	23/18	1.277778	334.299	424.364
290	31-et supermajor third, or diminished fourth	$(\sqrt[31]{2})^{11}$	1.278843	334.578	425.806
291	meantone and diminished fourth, or acute or large major third (D) VIII +2	$8192/6561 \times \sqrt[0.5]{\frac{81}{80}}$, or 32/25	1.280000	334.881	427.373
292	14-et acute or large major third	$(\sqrt[14]{2})^5$	1.280887	335.113	428.571
293	41st harmonic	41/32	1.281250	335.208	429.062
294	53-et acute or large major third	$(\sqrt[53]{2})^{19}$	1.282084	335.426	430.189
295	cyclic acute or large major third (A) XVI	$3^{16}/2^{25}$	1.282892	335.637	431.280
296	septimal supermajor third	9/7	1.285714	336.376	435.084
297	11-et nine quarter-tones	$(\sqrt[11]{2})^4$	1.286665	336.624	436.364
298	untrigesimal subfourth	40/31	1.290323	337.581	441.278
299	19-et nine quarter-tones	$(\sqrt[19]{2})^7$	1.290939	337.743	442.105
300	nine quarter-tones, or untrigesimal supermajor third	31/24	1.291667	337.933	443.081
301	43-et triple diminished fifth	$(\sqrt[43]{2})^{16}$	1.294229	338.603	446.512
302	nine equal quarter-tones	$(\sqrt[9]{2})^3$, or approximately 83/64	1.296840	339.286	450.000
303	83rd harmonic	83/64	1.296875	339.296	450.047
304	53-et subfourth	$(\sqrt[53]{2})^{20}$	1.298961	339.841	452.830
305	cyclic subfourth (A) XXVIII	$3^{28}/2^{44}$	1.300395	340.217	454.740
306	augmented third, or subfourth	125/96	1.302083	340.658	456.986
307	21-et subfourth	$(\sqrt[21]{2})^8$	1.302201	340.689	457.143

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
308	trivigesimal subfourth	$30/23$	1.304348	341.251	459.994
309	13-et subfourth	$(\sqrt[13]{2})^5$	1.305512	341.555	461.538
310	meantone augmented third (A) XI $-2\frac{3}{4}$	$177147/131072 \times 0.363636 \sqrt[80]{\frac{80}{81}}$	1.306133	341.718	462.363
311	31-et augmented third, or subfourth	$(\sqrt[31]{2})^{12}$	1.307759	342.143	464.516
312	18-et grave or small fourth	$(\sqrt[18]{2})^7$	1.309385	342.568	466.667
313	23-et grave or small fourth	$(\sqrt[23]{2})^9$	1.311579	343.143	469.565
314	septimal subfourth (21st harmonic)	$21/16$	1.312500	343.384	470.781
315	43-et augmented third	$(\sqrt[43]{2})^{17}$	1.315261	344.106	474.419
316	53-et grave or small fourth	$(\sqrt[53]{2})^{21}$	1.316061	344.315	475.472
317	grave or small fourth	$320/243$	1.316872	344.527	476.539
318	cyclic grave or small fourth (A) XL	$3^{40}/2^{63}$	1.318137	344.858	478.200
319	acute or large augmented third	$675/512$	1.318359	344.917	478.492
320	nonadecimal subfourth	$95/72$	1.319444	345.200	479.917
321	5-et grave or small fourth	$(\sqrt[5]{2})^2$	1.319508	345.217	480.000
322	septendecimal subfourth	$45/34$	1.323529	346.269	485.268
323	22-et just and Pythagorean perfect fourth	$(\sqrt[22]{2})^9$	1.327849	347.399	490.909
324	septendecimal supraaugmented third (85th harmonic)	$85/64$	1.328125	347.471	491.269
325	17-et just and Pythagorean perfect fourth	$(\sqrt[17]{2})^7$	1.330312	348.044	494.118
326	87-et just and Pythagorean perfect fourth	$(\sqrt[87]{2})^{36}$	1.332184	348.533	496.552
327	99-et just and Pythagorean perfect fourth	$(\sqrt[99]{2})^{41}$	1.332505	348.617	496.970
328	140-et just and Pythagorean perfect fourth	$(\sqrt[140]{2})^{58}$	1.332639	348.652	497.143
329	41-et just and Pythagorean perfect fourth	$(\sqrt[41]{2})^{17}$	1.332961	348.737	497.561

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
330	just and Pythagorean perfect fourth (D) I	$4/3$	1.333333	348.834	498.045
331	53-et just and Pythagorean perfect fourth	$(\sqrt[53]{2})^{22}$	1.333386	348.848	498.113
332	118-et just and Pythagorean perfect fourth	$(\sqrt[118]{2})^{49}$	1.333534	348.886	498.305
333	65-et just and Pythagorean perfect fourth	$(\sqrt[65]{2})^{27}$	1.333654	348.918	498.462
334	equal perfect fourth	$(\sqrt[12]{2})^5$, or approximately 1024/767	1.334840	349.228	500.000
335	sixth-comma meantone perfect fourth (D) I + $\frac{1}{6}$	$4/3 \times \sqrt[6]{\frac{81}{80}}$	1.336097	349.557	501.629
336	cyclic perfect fourth (A) III	$3^{52}/2^{82}$	1.336120	349.563	501.660
337	43-et just and Pythagorean perfect fourth	$(\sqrt[43]{2})^{18}$	1.336634	349.698	502.326
338	fifth-comma meantone perfect fourth (D) I + $\frac{1}{5}$	$4/3 \times \sqrt[5]{\frac{81}{80}}$	1.336650	349.702	502.346
339	two-ninth-comma meantone perfect fourth (D) I + $\frac{2}{9}$	$4/3 \times \sqrt[4.5]{\frac{81}{80}}$	1.337019	349.798	502.824
340	31-et just and Pythagorean perfect fourth	$(\sqrt[31]{2})^{13}$	1.337329	349.880	503.226
341	meantone perfect fourth (D) I + $\frac{1}{4}$	$4/3 \times \sqrt[4]{\frac{81}{80}}$	1.337481	349.919	503.422
342	two-seventh-comma meantone perfect fourth (D) I + $\frac{2}{7}$	$4/3 \times \sqrt[3.5]{\frac{81}{80}}$	1.338074	350.074	504.190
343	third-comma meantone perfect fourth (D) I + $\frac{1}{3}$	$4/3 \times \sqrt[3]{\frac{81}{80}}$	1.338866	350.282	505.214
344	19-et just and Pythagorean perfect fourth	$(\sqrt[19]{2})^8$	1.338904	350.292	505.263
345	43rd harmonic	$43/32$	1.343750	351.559	511.518
346	7-et acute or large fourth	$(\sqrt[7]{2})^3$	1.345900	352.122	514.286
347	subdiminished fifth	$8192/6075$	1.348477	352.796	517.598
348	acute or large fourth	$27/20$	1.350000	353.195	519.551
349	53-et acute or large fourth	$(\sqrt[53]{2})^{23}$	1.350939	353.440	520.755
350	Pythagorean augmented third, or cyclic acute or large fourth (A) XI	$3^{11}/2^{17}$, or 177147/131072	1.351524	353.593	521.505
351	23-et acute or large fourth	$(\sqrt[23]{2})^{10}$	1.351707	353.641	521.739

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
352	tridecimal superfourth	$65/48$	1.354167	354.285	524.886
353	16-et acute or large fourth	$(\sqrt[16]{2})^7$	1.354256	354.308	525.000
354	43-et double diminished fifth	$(\sqrt[43]{2})^{19}$	1.358355	355.380	530.233
355	nonavigesimal superfourth (87th harmonic)	$87/64$	1.359375	355.647	531.532
356	9-et superfourth	$(\sqrt[9]{2})^4$	1.360790	356.017	533.333
357	undecimal tritone, or augmented fourth	$15/11$	1.363636	356.762	536.951
358	grave or small augmented fourth, or superfourth	$512/375$	1.365333	357.206	539.104
359	20-et superfourth	$(\sqrt[20]{2})^9$	1.366040	357.391	540.000
360	31-et superfourth, or diminished fifth	$(\sqrt[31]{2})^{14}$	1.367568	357.791	541.935
361	53-et superfourth	$(\sqrt[53]{2})^{24}$	1.368723	358.093	543.396
362	cyclic superfourth (A) XXIII	$3^{23}/2^{36}$	1.369964	358.417	544.965
363	11-et superfourth	$(\sqrt[11]{2})^5$	1.370351	358.519	545.455
364	eleven equal quarter-tones	$(\sqrt[24]{2})^{11}$, or approximately 1024/745	1.373954	359.461	550.000
365	undecimal superfourth (11th harmonic)	$11/8$	1.375000	359.735	551.318
366	untrigesimal subdiminished fifth	$128/93$	1.376344	360.087	553.009
367	13-et eleven quarter-tones	$(\sqrt[13]{2})^6$	1.377009	360.261	553.846
368	eleven quarter-tones	$62/45$	1.377778	360.462	554.812
369	nonavigesimal tritone, or augmented fourth	$40/29$	1.379310	360.863	556.737
370	43-et double augmented third	$(\sqrt[43]{2})^{20}$	1.380429	361.155	558.140
371	15-et eleven quarter-tones	$(\sqrt[15]{2})^7$	1.381913	361.544	560.000
372	tridecimal tritone, or augmented fourth	$18/13$	1.384615	362.251	563.382
373	17-et grave or small augmented fourth	$(\sqrt[17]{2})^8$	1.385674	362.528	564.706

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
374	53-et grave or small augmented fourth	$(\sqrt[53]{2})^{25}$	1.386741	362.807	566.038
375	19-et grave or small augmented fourth	$(\sqrt[19]{2})^9$	1.388651	363.307	568.421
376	cyclic grave or small augmented fourth (A) xxxv	$3^{35}/2^{55}$	1.388654	363.307	568.425
377	grave or small augmented fourth	25/18	1.388889	363.369	568.717
378	89th harmonic	89/64	1.390625	363.823	570.880
379	21-et grave or small augmented fourth	$(\sqrt[21]{2})^{10}$	1.391066	363.938	571.429
380	trivigesimal subdiminished fifth	32/23	1.391304	364.001	571.726
381	23-et grave or small augmented fourth	$(\sqrt[23]{2})^{11}$	1.393063	364.461	573.913
382	meantone tritone, or augmented fourth (A) vi – 1½	$729/512 \times 0.666667 \sqrt[80]{\frac{80}{81}}$	1.397542	365.633	579.471
383	31-et augmented fourth, or subdiminished fifth	$(\sqrt[31]{2})^{15}$	1.398491	365.881	580.645
384	septimal subdiminished fifth	7/5	1.400000	366.276	582.512
385	43-et just tritone, or augmented fourth	$(\sqrt[43]{2})^{21}$	1.402861	367.024	586.047
386	Pythagorean diminished fifth (D) vi	1024/729	1.404664	367.496	588.270
387	53-et just tritone, or augmented fourth	$(\sqrt[53]{2})^{26}$	1.404996	367.583	588.679
388	just tritone, or augmented fourth (45th harmonic)	45/32	1.406250	367.911	590.224
389	nonadecimal subdiminished fifth	38/27	1.407407	368.214	591.648
390	cyclic tritone, or augmented fourth (A) XLVII	$3^{47}/2^{74}$	1.407600	368.264	591.885
391	septendecimal subdiminished fifth	24/17	1.411765	369.354	597.000
392	equal tritone, or augmented fourth	$\sqrt[2]{2}$, or approximately 181/128	1.414214	369.994	600.000
393	septendecimal tritone, or superaugmented fourth	17/12	1.416667	370.636	603.000
394	nonadecimal tritone, or superaugmented fourth	27/19	1.421053	371.784	608.352
395	tridecimal diminished fifth (91st harmonic)	91/64	1.421875	371.999	609.354

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
396	diminished fifth, or acute or large tritone, or augmented fourth	$64/45$	1.422222	372.090	609.776
397	53-et acute or large tritone, or augmented fourth	$(\sqrt[53]{2})^{27}$	1.423492	372.422	611.321
398	Pythagorean tritone, or augmented fourth (A) VI	$3^6/2^9$, or $729/512$	1.423828	372.510	611.730
399	43-et diminished fifth	$(\sqrt[43]{2})^{22}$	1.425658	372.989	613.953
400	59th cyclic fifth (A) LIX	$3^{59}/2^{93}$	1.426804	373.289	615.345
401	septimal tritone, or superaugmented fourth	$10/7$	1.428571	373.751	617.488
402	31-et superaugmented fourth, or diminished fifth	$(\sqrt[31]{2})^{16}$	1.430113	374.154	619.355
403	meantone diminished fifth (D) VI + $1\frac{1}{2}$	$1024/729 \times \sqrt[0.666667]{\frac{81}{80}}$	1.431084	374.408	620.529
404	23-et acute or large diminished fifth	$(\sqrt[23]{2})^{12}$	1.435685	375.612	626.087
405	trigesimal superaugmented fourth (23rd harmonic)	$23/16$	1.437500	376.087	628.274
406	21-et acute or large diminished fifth	$(\sqrt[21]{2})^{11}$	1.437747	376.151	628.571
407	acute or large diminished fifth	$36/25$	1.440000	376.741	631.283
408	19-et acute or large diminished fifth	$(\sqrt[19]{2})^{10}$	1.440247	376.805	631.579
409	53-et acute or large diminished fifth	$(\sqrt[53]{2})^{28}$	1.442231	377.324	633.962
410	cyclic acute or large diminished fifth (A) XVIII	$3^{18}/2^{28}$	1.443254	377.592	635.190
411	17-et acute or large diminished fifth	$(\sqrt[17]{2})^9$	1.443341	377.615	635.294
412	tridecimal subdiminished fifth	$13/9$	1.444444	377.904	636.618
413	15-et thirteen quarter-tones	$(\sqrt[15]{2})^8$	1.447269	378.643	640.000
414	43-et double diminished sixth	$(\sqrt[43]{2})^{23}$	1.448825	379.050	641.860
415	nonavigesimal subdiminished fifth	$29/20$	1.450000	379.357	643.263
416	thirteen quarter-tones	$90/62$	1.451613	379.779	645.188
417	13-et thirteen quarter-tones	$(\sqrt[13]{2})^7$	1.452423	379.991	646.154

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
418	untrigesimal supraaugmented fourth (93rd harmonic)	93/64	1.453125	380.175	646.991
419	undecimal subfifth	16/11	1.454545	380.546	648.682
420	thirteen equal quarter-tones	$(\sqrt[24]{2})^{13}$, or approximately 745/512	1.455653	380.836	650.000
421	11-et subfifth	$(\sqrt[11]{2})^6$	1.459480	381.837	654.545
422	meantone double augmented fourth (A) XIII $-3\frac{1}{4}$	$1594323/1048576 \times \sqrt[0.307692]{\frac{80}{81}}$	1.460302	382.052	655.536
423	53-et subfifth	$(\sqrt[53]{2})^{29}$	1.461216	382.292	656.604
424	31-et double augmented fourth, or subfifth	$(\sqrt[31]{2})^{17}$	1.462450	382.614	658.065
425	cyclic subfifth (A) XXX	$3^{30}/2^{47}$	1.462944	382.744	658.650
426	20-et subfifth	$(\sqrt[20]{2})^{11}$	1.464086	383.042	660.000
427	acute or large double augmented fourth, or subfifth	375/256	1.464844	383.241	660.896
428	undecimal subdiminished fifth	22/15	1.466667	383.717	663.049
429	47th harmonic	47/32	1.468750	384.263	665.507
430	9-et subfifth	$(\sqrt[9]{2})^5$	1.469734	384.520	666.667
431	nonavigesimal subfifth	128/87	1.471264	384.920	668.468
432	43-et double augmented fourth	$(\sqrt[43]{2})^{24}$	1.472369	385.209	669.767
433	16-et grave or small fifth	$(\sqrt[16]{2})^9$	1.476826	386.375	675.000
434	tridecimal subfifth	96/65	1.476923	386.401	675.114
435	23-et grave or small fifth	$(\sqrt[23]{2})^{13}$	1.479610	387.104	678.261
436	Pythagorean diminished sixth (D) XI	262144/177147	1.479811	387.156	678.495
437	53-et grave or small fifth	$(\sqrt[53]{2})^{30}$	1.480452	387.324	679.245
438	grave or small fifth	40/27	1.481481	387.593	680.449
439	cyclic grave or small fifth (A) XLII	$3^{42}/2^{66}$	1.482904	387.966	682.110

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
440	acute or large double supraaugmented fourth	6075/4096	1.483154	388.031	682.402
441	nonadecimal subfifth (95th harmonic)	95/64	1.484375	388.350	683.827
442	7-et grave or small fifth	$(\sqrt[7]{2})^4$	1.485994	388.774	685.714
443	19-et just and Pythagorean perfect fifth	$(\sqrt[19]{2})^{11}$	1.493759	390.806	694.737
444	third-comma meantone perfect fifth (A) $1 - \frac{1}{3}$	$3/2 \times \sqrt[3]{\frac{80}{81}}$	1.493802	390.817	694.786
445	two-seventh-comma meantone perfect fifth (A) $1 - \frac{2}{7}$	$3/2 \times \sqrt[3.5]{\frac{80}{81}}$	1.494686	391.048	695.810
446	meantone perfect fifth (A) $1 - \frac{1}{4}$	$3/2 \times \sqrt[4]{\frac{80}{81}}$	1.495349	391.221	696.578
447	31-et just and Pythagorean perfect fifth	$(\sqrt[31]{2})^{18}$	1.495518	391.266	696.774
448	two-ninth-comma meantone perfect fifth (A) $1 - \frac{2}{9}$	$3/2 \times \sqrt[4.5]{\frac{80}{81}}$	1.495865	391.356	697.176
449	fifth-comma meantone perfect fifth (A) $1 - \frac{1}{5}$	$3/2 \times \sqrt[5]{\frac{80}{81}}$	1.496278	393.415	697.654
450	43-et just and Pythagorean perfect fifth	$(\sqrt[43]{2})^{25}$	1.496296	391.469	697.674
451	sixth-comma meantone perfect fifth (A) $1 - \frac{1}{6}$	$3/2 \times \sqrt[6]{\frac{80}{81}}$	1.496898	391.627	698.371
452	equal perfect fifth	$(\sqrt[12]{2})^7$, or approximately 767/512	1.498307	391.995	700.000
453	65-et just and Pythagorean perfect fifth	$(\sqrt[65]{2})^{38}$	1.499639	392.344	701.538
454	118-et just and Pythagorean perfect fifth	$(\sqrt[118]{2})^{69}$	1.499775	392.379	701.695
455	53-et just and Pythagorean perfect fifth	$(\sqrt[53]{2})^{31}$	1.499941	392.423	701.887
456	just and Pythagorean perfect fifth (A) 1 (3rd harmonic)	3/2	1.500000	392.438	701.955
457	41-et just and Pythagorean perfect fifth	$(\sqrt[41]{2})^{24}$	1.500419	392.548	702.439
458	140-et just and Pythagorean perfect fifth	$(\sqrt[140]{2})^{82}$	1.500782	392.643	702.857
459	99-et just and Pythagorean perfect fifth	$(\sqrt[99]{2})^{58}$	1.500932	392.682	703.030
460	87-et just and Pythagorean perfect fifth	$(\sqrt[87]{2})^{51}$	1.501294	392.777	703.448
461	54th cyclic fifth (A) LIV	$3^{54}/2^{85}$	1.503135	393.259	705.570

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
462	17-et just and Pythagorean perfect fifth	$(\sqrt[17]{2})^{10}$	1.503407	393.330	705.882
463	22-et just and Pythagorean perfect fifth	$(\sqrt[22]{2})^{13}$	1.506196	394.059	709.091
464	septendecimal superfifth	68/45	1.511111	395.345	714.732
465	undecimal grave or small augmented fifth	50/33	1.515152	396.402	719.354
466	97th harmonic	97/64	1.515625	396.526	719.895
467	5-et acute or large fifth	$(\sqrt[5]{2})^3$	1.515717	396.550	720.000
468	nonadecimal superfifth	144/95	1.515789	396.569	720.083
469	subdiminished sixth	1024/675	1.517037	396.896	721.508
470	acute or large fifth	243/160	1.518750	397.344	723.014
471	53-et acute or large fifth	$(\sqrt[53]{2})^{32}$	1.519686	397.589	724.528
472	Pythagorean double augmented fourth, or cyclic acute or large fifth (A) XIII	$3^{13}/2^{20}$, or 1594323/1048576	1.520465	397.792	725.415
473	43-et diminished sixth	$(\sqrt[43]{2})^{26}$	1.520611	397.831	725.581
474	septimal superfifth	32/21	1.523810	398.104	729.219
475	23-et acute or large fifth	$(\sqrt[23]{2})^{14}$	1.524880	398.948	730.435
476	18-et superfifth	$(\sqrt[18]{2})^{11}$	1.527435	399.616	733.333
477	31-et superfifth, or diminished sixth	$(\sqrt[31]{2})^{19}$	1.529334	400.113	735.484
478	meantone diminished sixth and wolf fifth (D) XI +2 $\frac{3}{4}$	$262144/177147 \times 0.363636 \sqrt[81]{80}$	1.531237	400.611	737.637
479	septimal diminished sixth (49th harmonic)	49/32	1.531250	400.614	737.652
480	13-et superfifth	$(\sqrt[13]{2})^8$	1.531966	400.802	738.462
481	trivigesimal superfifth	23/15	1.533333	401.159	740.006
482	21-et superfifth	$(\sqrt[21]{2})^{13}$	1.535861	401.820	742.857
483	diminished sixth, or superfifth	192/125	1.536000	401.857	743.014

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
484	tridecimal grave or small augmented fifth	$20/13$	1.538462	402.501	745.786
485	53-et superfifth	$(\sqrt[53]{2})^{33}$	1.539692	402.823	747.170
486	cyclic superfifth (A) xxv	$3^{25}/2^{39}$	1.541209	403.220	748.875
487	fifteen equal quarter-tones	$(\sqrt[8]{2})^5$, or approximately 128/83	1.542211	403.482	750.000
488	43-et triple augmented fourth	$(\sqrt[43]{2})^{27}$	1.545321	404.296	753.488
489	undecimal superfifth (99th harmonic)	$99/64$	1.546875	404.702	755.228
490	untrigesimal subminor sixth	$48/31$	1.548387	405.098	756.919
491	19-et Pythagorean minor sixth	$(\sqrt[19]{2})^{12}$	1.549260	405.326	757.895
492	fifteen quarter-tones, or untrigesimal superfifth	$31/20$	1.550000	405.520	758.722
493	nonavigesimal grave or small augmented sixth	$45/29$	1.551724	405.971	760.647
494	11-et fifteen quarter-tones	$(\sqrt[11]{2})^7$	1.554406	406.672	763.636
495	septimal subminor sixth	$14/9$	1.555556	406.973	764.916
496	53-et augmented fifth	$(\sqrt[53]{2})^{34}$	1.559960	408.126	769.811
497	14-et augmented fifth	$(\sqrt[14]{2})^9$	1.561418	408.507	771.429
498	cyclic augmented fifth (A) xxxvii	$3^{37}/2^{58}$	1.562236	408.721	772.335
499	meantone augmented and augmented fifth (A) viii -2 (25th harmonic)	$6561/4096 \times 0.5\sqrt{\frac{80}{81}}$, or 25/16	1.562500	408.790	772.627
500	31-et augmented fifth, or subminor sixth	$(\sqrt[31]{2})^{20}$	1.563914	409.160	774.194
501	trivigesimal subminor sixth	$36/23$	1.565217	409.501	775.636
502	17-et augmented fifth	$(\sqrt[17]{2})^{11}$	1.565972	409.698	776.471
503	20-et augmented fifth	$(\sqrt[20]{2})^{13}$	1.569168	410.535	780.000
504	43-et augmented fifth	$(\sqrt[43]{2})^{28}$	1.570433	410.866	781.395
505	undecimal augmented fifth	$11/7$	1.571429	411.126	782.492

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
506	23-et Pythagorean minor sixth	$(\sqrt[23]{2})^{15}$	1.571534	411.154	782.609
507	septendecimal superaugmented fifth	85/54	1.574074	411.818	785.404
508	101st harmonic	101/64	1.578125	412.878	789.854
509	nonadecimal superaugmented fifth	30/19	1.578947	413.093	790.756
510	Pythagorean minor sixth (D) IV	128/81	1.580247	413.433	792.180
511	53-et Pythagorean minor sixth	$(\sqrt[53]{2})^{35}$	1.580496	413.498	792.453
512	acute or large augmented fifth	405/256	1.582031	413.900	794.134
513	nonadecimal subminor sixth	19/12	1.583333	414.240	795.558
514	cyclic minor sixth (A) XLIX	$3^{49}/2^{77}$	1.583550	414.297	795.795
515	equal minor sixth	$(\sqrt[3]{2})^2$, or approximately 100/63	1.587401	415.305	800.000
516	septendecimal subminor sixth	27/17	1.588235	415.523	800.910
517	septendecimal superaugmented fifth (51st harmonic)	51/32	1.593750	416.966	806.910
518	43-et just minor sixth	$(\sqrt[43]{2})^{29}$	1.595953	417.542	809.302
519	trivigesimal superaugmented fifth	115/72	1.597222	417.874	810.678
520	31-et superaugmented fifth, or just minor sixth	$(\sqrt[31]{2})^{21}$	1.599276	418.412	812.903
521	meantone and just minor sixth (D) IV +1	$128/81 \times 81/80$, or 8/5	1.600000	418.601	813.686
522	53-et just minor sixth	$(\sqrt[53]{2})^{36}$	1.601302	418.942	815.094
523	Pythagorean augmented fifth (A) VIII	$3^8/2^{12}$, or 6561/4096	1.601807	419.074	815.640
524	22-et just minor sixth	$(\sqrt[22]{2})^{15}$	1.604160	419.689	818.182
525	19-et seventeen quarter-tones	$(\sqrt[19]{2})^{13}$	1.606822	420.386	821.053
526	septimal superaugmented sixth	45/28	1.607143	420.470	821.398
527	103rd harmonic	103/64	1.609375	421.054	823.801

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
528	16-et seventeen quarter-tones	$(\sqrt[16]{2})^{11}$	1.610490	421.345	825.000
529	nonavigesimal grave or small neutral sixth	29/18	1.611111	421.508	825.667
530	seventeen quarter-tones	50/31	1.612903	421.977	827.592
531	untrigesimal superaugmented fifth	155/96	1.614583	422.416	829.394
532	13-et seventeen quarter-tones	$(\sqrt[13]{2})^9$	1.615866	422.752	830.769
533	23-et neutral sixth	$(\sqrt[23]{2})^{16}$	1.619616	423.733	834.783
534	neutral sixth	81/50	1.620000	423.833	835.193
535	43-et double diminished seventh	$(\sqrt[43]{2})^{30}$	1.621888	424.327	837.209
536	53-et neutral sixth	$(\sqrt[53]{2})^{37}$	1.622382	424.457	837.736
537	cyclic neutral sixth (A) XX	$3^{20}/2^{31}$	1.623661	424.791	839.100
538	10-et neutral sixth	$(\sqrt[10]{2})^7$	1.624505	425.012	840.000
539	tridecimal grave or small neutral, or overtone sixth (13th harmonic)	13/8	1.625000	425.142	840.528
540	double augmented fifth	625/384	1.627604	425.823	843.300
541	17-et neutral sixth	$(\sqrt[17]{2})^{12}$	1.631142	426.748	847.059
542	meantone double augmented fifth (A) XV $-3\frac{3}{4}$	$14348907/8388608 \times \sqrt[0.266667]{\frac{80}{81}}$	1.632667	427.147	848.676
543	seventeen equal quarter-tones	$(\sqrt[24]{2})^{17}$, or approximately 49/30	1.633915	427.474	850.000
544	31-et double augmented fifth, or neutral sixth	$(\sqrt[31]{2})^{22}$	1.635438	427.872	851.613
545	undecimal grave or small neutral sixth	18/11	1.636364	428.115	852.592
546	septimal neutral sixth (105th harmonic)	105/64	1.640625	429.229	857.095
547	7-et grave or small major sixth	$(\sqrt[7]{2})^5$	1.640671	429.241	857.143
548	tridecimal acute or large neutral sixth	64/39	1.641026	429.334	857.517
549	53-et grave or small major sixth	$(\sqrt[53]{2})^{38}$	1.643739	430.044	860.377

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
550	cyclic grave or small major sixth (A) xxxii	$3^{32}/2^{50}$	1.645813	430.587	862.560
551	grave or small major sixth	400/243	1.646091	430.659	862.852
552	43-et double augmented fifth	$(\sqrt[43]{2})^{31}$	1.648244	431.223	865.116
553	18-et grave or small major sixth	$(\sqrt[18]{2})^{13}$	1.649721	431.609	866.667
554	undecimal acute or large neutral sixth	33/20	1.650000	431.682	866.959
555	nonavigesimal acute or large neutral sixth	48/29	1.655172	433.035	872.378
556	11-et grave or small major sixth	$(\sqrt[11]{2})^8$	1.655507	433.123	872.727
557	53rd harmonic	53/32	1.656250	433.317	873.505
558	15-et just major sixth	$(\sqrt[15]{2})^{11}$	1.662476	434.946	880.000
559	Pythagorean diminished seventh (D) IX	32768/19683	1.664787	435.551	882.405
560	53-et just major sixth	$(\sqrt[53]{2})^{39}$	1.665377	435.705	883.019
561	19-et just major sixth	$(\sqrt[19]{2})^{14}$	1.666524	436.005	884.211
562	just major sixth	5/3	1.666667	436.043	884.359
563	cyclic major sixth (A) XLIV	$3^{44}/2^{69}$	1.668267	436.461	886.020
564	23-et just major sixth	$(\sqrt[23]{2})^{17}$	1.669169	436.697	886.957
565	meantone major sixth (A) III $-3/4$	$27/16 \times 1.333333\sqrt[80]{81}$	1.671851	437.399	889.735
566	107th harmonic	107/64	1.671875	437.405	889.760
567	31-et just major sixth	$(\sqrt[31]{2})^{23}$	1.672418	437.547	890.323
568	43-et just major sixth	$(\sqrt[43]{2})^{32}$	1.675029	438.230	893.023
569	equal major sixth	$(\sqrt[4]{2})^3$, or approximately 37/22	1.681793	440.000	900.000
570	nonadecimal supermajor sixth	32/19	1.684211	440.633	902.487
571	grave or small diminished seventh	2048/1215	1.685597	440.995	903.911

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
572	53-et Pythagorean major sixth	$(\sqrt[53]{2})^{40}$	1.687301	441.441	905.660
573	Pythagorean major sixth (A) III (27th harmonic)	$3^3/2^4$, or 27/16	1.687500	441.493	905.865
574	56th cyclic fifth (A) LVI	$3^{56}/2^{88}$	1.691027	442.416	909.480
575	21-et Pythagorean major sixth	$(\sqrt[21]{2})^{16}$	1.695728	443.646	914.286
576	17-et acute or large major sixth	$(\sqrt[17]{2})^{13}$	1.699024	444.508	917.647
577	septendecimal supermajor sixth	17/10	1.700000	444.763	918.642
578	43-et diminished seventh	$(\sqrt[43]{2})^{33}$	1.702249	445.352	920.930
579	109th harmonic	109/64	1.703125	445.581	921.821
580	trivigesimal supermajor sixth	46/27	1.703704	445.732	922.409
581	13-et acute or large major sixth	$(\sqrt[13]{2})^{10}$	1.704361	445.904	923.077
582	undecimal grave or small augmented sixth	75/44	1.704545	445.953	923.264
583	diminished seventh, or acute or large major sixth	128/75	1.706667	446.508	925.418
584	22-et acute or large major sixth	$(\sqrt[22]{2})^{17}$	1.708496	446.986	927.273
585	53-et acute or large major sixth	$(\sqrt[53]{2})^{41}$	1.709512	447.252	928.302
586	31-et supermajor sixth, or diminished seventh	$(\sqrt[31]{2})^{24}$	1.710234	447.441	929.032
587	Pythagorean double augmented fifth, or cyclic acute or large major sixth (A) XV	$3^{15}/2^{23}$, or 14348907/8388608	1.710523	447.517	929.325
588	meantone diminished seventh (D) IX +2 $\frac{1}{4}$	$32768/19683 \times 0.444444\sqrt{\frac{81}{80}}$	1.711975	447.896	930.794
589	septimal supermajor sixth	12/7	1.714286	448.501	933.129
590	9-et nineteen quarter-tones	$(\sqrt[9]{2})^7$	1.714488	448.554	933.333
591	undecimal supermajor sixth (55th harmonic)	55/32	1.718750	449.669	937.632
592	23-et nineteen quarter-tones	$(\sqrt[23]{2})^{18}$	1.720239	450.058	939.130
593	nineteen quarter-tones, or untrigesimal supermajor sixth	31/18	1.722222	450.577	941.126

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
594	14-et augmented sixth	$(\sqrt[14]{2})^{11}$	1.723946	451.028	942.857
595	nonavigesimal grave or small augmented sixth	50/29	1.724138	451.079	943.050
596	19-et nineteen quarter-tones	$(\sqrt[19]{2})^{15}$	1.728444	452.205	947.368
597	43-et triple diminished octave	$(\sqrt[43]{2})^{34}$	1.729911	452.589	948.837
598	tridecimal grave or small augmented sixth	45/26	1.730769	452.813	949.696
599	nineteen equal quarter-tones	$(\sqrt[24]{2})^{19}$, or approximately 45/26	1.731073	452.893	950.000
600	53-et augmented sixth	$(\sqrt[53]{2})^{42}$	1.732017	453.140	950.943
601	cyclic augmented sixth (A) XXVII	$3^{27}/2^{42}$	1.733860	453.622	952.785
602	111th harmonic	111/64	1.734375	453.757	953.299
603	augmented sixth	125/72	1.736111	454.211	955.031
604	trivigesimal subminor seventh	40/23	1.739130	455.001	958.039
605	5-et augmented sixth	$(\sqrt[5]{2})^4$	1.741101	455.517	960.000
606	untrigesimal subminor seventh	54/31	1.741935	455.735	960.829
607	meantone augmented sixth (A) $\times -2\frac{1}{2}$	$59049/32768 \times \sqrt[0.4]{\frac{80}{81}}$	1.746928	457.041	965.784
608	31-et augmented sixth, or subminor seventh	$(\sqrt[31]{2})^{25}$	1.748905	457.558	967.742
609	septimal subminor seventh (7th harmonic)	7/4	1.750000	457.845	968.826
610	21-et grave or small minor seventh	$(\sqrt[21]{2})^{17}$	1.752633	458.534	971.429
611	nonadecimal supraaugmented sixth	100/57	1.754386	458.992	973.159
612	53-et grave or small minor seventh	$(\sqrt[53]{2})^{43}$	1.754817	459.105	973.585
613	16-et grave or small minor seventh	$(\sqrt[16]{2})^{13}$	1.756252	459.480	975.000
614	cyclic grave or small minor seventh (A) XXXIX	$3^{39}/2^{61}$	1.757516	459.811	976.245
615	acute or large augmented sixth, or grave or small minor seventh	225/128	1.757813	459.889	976.537

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
616	43-et augmented sixth	$(\sqrt[43]{2})^{35}$	1.758022	459.944	976.744
617	11-et grave or small minor seventh	$(\sqrt[11]{2})^9$	1.763183	461.294	981.818
618	septendecimal subminor seventh	30/17	1.764706	461.692	983.313
619	113th harmonic	113/64	1.765625	461.933	984.215
620	17-et Pythagorean minor seventh	$(\sqrt[17]{2})^{14}$	1.769730	463.007	988.235
621	septendecimal superaugmented sixth	85/48	1.770833	463.295	989.314
622	23-et Pythagorean minor seventh	$(\sqrt[23]{2})^{19}$	1.772870	463.828	991.304
623	Pythagorean minor seventh (D) II	16/9	1.777778	465.112	996.090
624	53-et Pythagorean minor seventh	$(\sqrt[53]{2})^{44}$	1.777918	465.149	996.226
625	superaugmented sixth	3645/2048	1.779785	465.637	998.044
626	nonadecimal subminor seventh (57th harmonic)	57/32	1.781250	466.021	999.468
627	cyclic minor seventh (A) II	$3^{51}/2^{80}$	1.781494	466.084	999.705
628	equal minor seventh	$(\sqrt[9]{2})^5$, or approximately 98/55	1.781797	466.164	1000.000
629	septimal superaugmented sixth	25/14	1.785714	467.885	1003.802
630	43-et Pythagorean minor seventh	$(\sqrt[43]{2})^{36}$	1.786591	467.418	1004.651
631	31-et superaugmented sixth, or minor seventh	$(\sqrt[31]{2})^{26}$	1.788450	467.904	1006.452
632	meantone minor seventh (D) + $\frac{1}{2}$	$16/9 \times \sqrt[2]{\frac{81}{80}}$	1.788854	468.010	1006.843
633	19-et acute or large minor seventh	$(\sqrt[19]{2})^{16}$	1.792664	469.007	1010.526
634	untrigesimal superaugmented sixth	775/432	1.793981	469.351	1011.798
635	trivigesimal superaugmented sixth (115th harmonic)	115/64	1.796875	470.108	1014.588
636	13-et Pythagorean minor seventh	$(\sqrt[13]{2})^{11}$	1.797702	470.325	1015.385
637	acute or large minor seventh	9/5	1.800000	470.926	1017.596

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
638	53-et acute or large minor seventh	$(\sqrt[53]{2})^{45}$	1.801323	471.272	1018.868
639	Pythagorean augmented sixth, or cyclic acute or large minor seventh (A) x	$3^{10}/2^{15}$, or 59049/32768	1.802032	471.458	1019.550
640	20-et acute or large minor seventh	$(\sqrt[20]{2})^{17}$	1.802501	471.580	1020.000
641	tridecimal grave or small neutral seventh	65/36	1.805556	472.379	1022.931
642	7-et twenty-one quarter-tones	$(\sqrt[7]{2})^6$	1.811447	473.921	1028.571
643	nonavigesimal grave or small neutral seventh (29th harmonic)	29/16	1.812500	474.196	1029.577
644	43-et double diminished octave	$(\sqrt[43]{2})^{37}$	1.815624	475.014	1032.558
645	undecimal grave or small neutral seventh	20/11	1.818181	475.683	1034.996
646	22-et twenty-one quarter-tones	$(\sqrt[22]{2})^{19}$	1.819619	476.059	1036.364
647	neutral seventh	729/400	1.822500	476.813	1039.103
648	15-et neutral seventh	$(\sqrt[15]{2})^{13}$	1.823445	477.060	1040.000
649	53-et neutral seventh	$(\sqrt[53]{2})^{46}$	1.825036	477.476	1041.509
650	cyclic neutral seventh (A) xxii	$3^{22}/2^{34}$	1.826618	477.890	1043.010
651	23-et neutral seventh	$(\sqrt[23]{2})^{20}$	1.827112	478.019	1043.478
652	tridecimal neutral seventh (117th harmonic)	117/64	1.828125	478.284	1044.438
653	31-et double augmented sixth, or neutral seventh	$(\sqrt[31]{2})^{27}$	1.828889	478.484	1045.161
654	neutral seventh	4000/2187	1.828989	478.510	1045.256
655	acute or large double augmented sixth	1875/1024	1.831055	479.051	1047.210
656	undecimal acute or large neutral seventh	11/6	1.833333	479.647	1049.363
657	twenty-one equal quarter-tones	$(\sqrt[21]{2})^7$, or approximately 939/512	1.834008	479.823	1050.000
658	17-et grave or small major seventh	$(\sqrt[17]{2})^{15}$	1.843379	482.275	1058.824
659	59th harmonic	59/32	1.843750	482.372	1059.172

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
660	43-et double augmented sixth	$(\sqrt[43]{2})^{38}$	1.845128	482.733	1060.465
661	tridecimal acute or large neutral seventh	24/13	1.846154	483.001	1061.427
662	53-et grave or small major seventh	$(\sqrt[53]{2})^{47}$	1.849061	483.762	1064.151
663	cyclic grave or small major seventh (A) XXXIV	$3^{34}/2^{53}$	1.851539	484.410	1066.470
664	9-et grave or small major seventh	$(\sqrt[9]{2})^8$	1.851749	484.465	1066.667
665	grave or small major seventh	50/27	1.851852	484.492	1066.762
666	19-et grave or small major seventh	$(\sqrt[19]{2})^{17}$	1.859271	486.433	1073.684
667	septendecimal neutral seventh (119th harmonic)	119/64	1.859375	486.460	1073.781
668	nonavigesimal acute or large neutral seventh	54/29	1.862069	487.165	1076.288
669	10-et just diatonic major seventh	$(\sqrt[10]{2})^9$	1.866066	488.211	1080.000
670	meantone major seventh (A) $\vee -1\frac{1}{4}$	$243/128 \times 0.8\sqrt[80]{\frac{80}{81}}$	1.869186	489.027	1082.892
671	31-et just diatonic major seventh	$(\sqrt[31]{2})^{28}$	1.870243	489.303	1083.871
672	21-et just diatonic major seventh	$(\sqrt[21]{2})^{19}$	1.872235	489.825	1085.714
673	Pythagorean diminished octave (D) VII	4096/2187	1.872885	489.995	1086.315
674	53-et just diatonic major seventh	$(\sqrt[53]{2})^{48}$	1.873402	490.130	1086.792
675	just diatonic major seventh (15th harmonic)	15/8	1.875000	490.548	1088.269
676	43-et just diatonic major seventh	$(\sqrt[43]{2})^{39}$	1.875112	490.577	1088.372
677	cyclic diatonic major seventh (A) XLVI	$3^{46}/2^{72}$	1.876800	491.019	1089.930
678	11-et just diatonic major seventh	$(\sqrt[11]{2})^{10}$	1.877862	491.297	1090.909
679	23-et just diatonic major seventh	$(\sqrt[23]{2})^{21}$	1.883014	492.645	1095.652
680	equal major seventh	$(\sqrt[12]{2})^{11}$, or approximately 967/512	1.887749	493.883	1100.000
681	septendecimal supermajor seventh	17/9	1.888889	494.182	1101.045

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
682	grave or small neutral seventh (121st harmonic)	121/64	1.890625	494.636	1102.636
683	nonadecimal supermajor seventh	36/19	1.894737	495.712	1106.397
684	13-et Pythagorean major seventh	$(\sqrt[13]{2})^{12}$	1.896155	496.083	1107.692
685	grave or small diminished octave	256/135	1.896296	496.120	1107.821
686	53-et Pythagorean major seventh	$(\sqrt[53]{2})^{49}$	1.898064	496.582	1109.434
687	Pythagorean major seventh (A) V	$3^5/2^7$, or 243/128	1.898438	496.680	1109.775
688	58th cyclic fifth (A) LVIII	$3^{58}/2^{91}$	1.902406	497.718	1113.390
689	14-et Pythagorean major seventh	$(\sqrt[14]{2})^{13}$	1.903390	497.976	1114.286
690	septimal supermajor seventh	40/21	1.904762	498.334	1115.533
691	43-et diminished octave	$(\sqrt[43]{2})^{40}$	1.905583	498.549	1116.279
692	61st harmonic	61/32	1.906250	498.724	1116.885
693	15-et just diatonic major seventh	$(\sqrt[15]{2})^{14}$	1.909683	499.622	1120.000
694	31-et supermajor seventh, or diminished octave	$(\sqrt[31]{2})^{29}$	1.912532	500.367	1122.581
695	meantone diminished octave (D) VII +1 $\frac{3}{4}$	$4096/2187 \times 0.571429 \sqrt[81]{\frac{81}{80}}$	1.914046	500.763	1123.951
696	16-et acute or large major seventh	$(\sqrt[16]{2})^{15}$	1.915207	501.067	1125.000
697	trigesimal supermajor seventh	23/12	1.916667	501.449	1126.319
698	diminished octave, or acute or large major seventh	48/25	1.920000	502.321	1129.328
699	17-et acute or large major seventh	$(\sqrt[17]{2})^{16}$	1.920093	502.346	1129.412
700	123rd harmonic	123/64	1.921875	502.812	1131.017
701	53-et acute or large major seventh	$(\sqrt[53]{2})^{50}$	1.923050	503.119	1132.075
702	cyclic acute or large major seventh (A) XVII	$3^{17}/2^{26}$	1.924338	503.456	1133.235
703	18-et acute or large major seventh	$(\sqrt[18]{2})^{17}$	1.924448	503.485	1133.333

DEGREE NUMBER	INTERVAL	FACTOR	RATIO (DECIMAL)	FREQUENCY (HERTZ)	CENTS
704	19-et twenty-three quarter-tones	$(\sqrt[19]{2})^{18}$	1.928352	504.506	1136.842
705	20-et twenty-three quarter-tones	$(\sqrt[20]{2})^{19}$	1.931873	505.427	1140.000
706	21-et twenty-three quarter-tones	$(\sqrt[21]{2})^{20}$	1.935064	506.262	1142.857
707	twenty-three quarter-tones	60/31	1.935484	506.372	1143.233
708	43-et double diminished second	$(\sqrt[43]{2})^{41}$	1.936549	506.651	1144.186
709	untrigesimal supermajor seventh (31st harmonic)	31/16	1.937500	506.900	1145.036
710	22-et twenty-three quarter-tones	$(\sqrt[22]{2})^{21}$	1.937969	507.022	1145.455
711	undecimal subdiminished octave	64/33	1.939394	507.395	1146.727
712	23-et twenty-three quarter-tones	$(\sqrt[23]{2})^{22}$	1.940626	507.717	1147.826
713	twenty-three equal quarter-tones	$(\sqrt[24]{2})^{23}$, or approximately 1024/527	1.943064	508.355	1150.000
714	53-et suboctave	$(\sqrt[53]{2})^{51}$	1.948365	509.742	1154.717
715	cyclic suboctave (A) XXIX	$3^{29}/2^{45}$	1.950593	510.325	1156.695
716	meantone augmented seventh, or suboctave (A) XII –3 (125th harmonic)	$531441/524288 \times 0.333333\sqrt[80]{\frac{80}{81}}$, or 125/64	1.953125	510.987	1158.941
717	31-et augmented seventh, suboctave	$(\sqrt[31]{2})^{30}$	1.955777	511.681	1161.290
718	43-et augmented seventh	$(\sqrt[43]{2})^{42}$	1.968019	514.884	1172.093
719	septimal subdiminished octave (63rd harmonic)	63/32	1.968750	515.075	1172.736
720	53-et grave or small octave	$(\sqrt[53]{2})^{52}$	1.974014	516.452	1177.358
721	grave or small octave	160/81	1.975309	516.791	1178.494
722	cyclic grave or small octave (A) XLI	$3^{41}/2^{64}$	1.977205	517.287	1180.155
723	acute or large meantone augmented seventh	2025/1024	1.977539	517.375	1180.447
724	127th harmonic	127/64	1.984375	519.163	1186.422
01	octave (2nd harmonic)	2/1	2.000000	523.251	1200.000

