

Zeta-24, lower manual 13/11-21/13 (Eb-G#), upper manual 13/9-63/32 (Gb-B)

0:	1/1	0.000	unison,	perfect	prime	
1:	9/8	58.936				
2:	14/13	128.298	2/3-tone			
3:	13/12	138.573	tridecimal	2/3-tone		
4:	9/8	203.910	major	whole	tone	
5:	7/6	266.871	septimal	minor	third	
6:	13/11	289.210	tridecimal	minor	third	
7:	11/9	347.408	undecimal	neutral	third	
8:	14/11	417.508	undecimal	diminished	fourth	
9:	21/16	470.781	narrow	fourth		
10:	4/3	498.046	perfect	fourth		
11:	11/8	551.318	undecimal	semi-augmented	fourth	
12:	56/39	626.343				
13:	13/9	636.618	tridecimal	diminished	fifth	
14:	3/2	701.955	perfect	fifth		
15:	14/9	764.916	septimal	minor	sixth	
16:	21/13	830.253				
17:	13/8	840.528	tridecimal	neutral	sixth	
18:	22/13	910.790	tridecimal	major	sixth	
19:	7/4	968.826	harmonic	seventh		
20:	16/9	996.090	Pythagorean	minor	seventh	
21:	11/6	1049.363	21/4-tone,	undecimal	neutral	seventh
22:	21/11	1119.463	undecimal	major	seventh	
23:	63/32	1172.736	octave -	septimal	comma	
24:	2/1	1200.000	octave			

Zeta-24, lower manual 13/11-21/13 (Eb-G#), upper manual 13/9-63/32 (Gb-B)

1/1	: 91/88	14/13	13/12	9/8	7/6	13/11	11/9	14/11	21/16	4/3	11/8	56/39	13/9	3/2	14/9	21/13	13/8	22/13	7/4	16/9	11/6	21/11	63/32	2/1
0.0	58.0	128.3	138.6	203.9	266.9	289.2	347.4	417.5	470.8	498.0	551.3	626.3	636.6	702.0	764.9	830.3	840.5	910.8	968.8	996.1	1049.4	1119.5	1172.7	1200.0
91/88	: 176/169	22/21	99/91	44/39	8/7	968/819	16/13	33/26	352/273	121/91	704/507	88/63	132/91	176/117	264/169	11/7	1936/1183	22/13	1408/819	484/273	24/13	99/52	176/91	2/1
58.0	70.3	80.5	145.9	208.8	231.2	289.4	359.5	412.7	440.0	493.3	568.3	578.6	643.9	706.9	772.2	782.5	852.8	910.8	938.1	991.3	1061.4	1114.7	1142.0	1200.0
14/13	: 169/168	117/112	13/12	169/154	143/126	13/11	39/32	26/21	143/112	4/3	169/126	39/28	13/9	3/2	169/112	11/7	13/8	104/63	143/84	39/22	117/64	13/7	169/88	2/1
128.3	10.3	75.6	160.9	219.1	289.2	342.5	369.7	423.0	498.0	508.3	573.7	636.6	702.0	712.2	782.5	840.5	867.8	921.1	991.2	1044.4	1071.7	1129.7	1200.0	
13/12	: 27/26	14/13	12/11	44/39	168/143	63/52	16/13	33/26	224/169	4/3	18/13	56/39	252/169	3/2	264/169	21/13	64/39	22/13	252/143	189/104	24/13	21/11	336/169	2/1
138.6	65.3	128.3	150.6	208.8	278.9	332.2	359.5	412.7	487.8	498.0	563.4	626.3	691.7	702.0	772.2	830.3	857.5	910.8	980.9	1034.2	1061.4	1119.5	1189.7	1200.0
9/8	: 28/27	104/99	88/81	112/99	7/6	32/27	11/9	448/351	104/81	4/3	112/81	56/39	13/9	176/117	14/9	128/81	44/27	56/33	7/4	16/9	182/99	224/117	52/27	2/1
203.9	63.0	85.3	143.5	213.6	266.9	294.1	347.4	422.4	432.7	498.0	561.0	626.3	636.6	706.9	764.9	792.2	845.5	915.6	968.8	996.1	1054.1	1124.4	1134.7	1200.0
7/6	: 78/77	22/21	12/11	9/8	8/7	33/28	16/13	26/21	9/7	4/3	18/13	39/28	13/9	3/2	32/21	11/7	18/11	27/16	12/7	39/22	24/13	13/7	27/14	2/1
266.9	22.3	80.5	150.6	203.9	231.2	284.4	359.5	369.7	435.1	498.0	563.4	573.7	643.9	702.0	729.2	782.5	852.6	905.9	933.1	991.2	1061.4	1071.7	1137.0	1200.0
13/11	: 121/117	14/13	231/208	44/39	121/104	616/507	11/9	33/26	154/117	231/169	11/8	242/169	77/52	176/117	121/78	21/13	693/416	22/13	7/4	308/169	11/6	99/52	177/39	2/1
289.2	58.2	128.3	181.6	208.8	262.1	337.1	347.4	412.7	475.7	541.0	551.3	621.6	679.6	706.9	760.2	830.3	883.5	910.8	968.8	1039.1	1049.4	1114.7	1177.7	1200.0
11/9	: 126/121	189/176	12/11	9/8	168/143	13/11	27/22	14/11	189/143	117/88	18/13	63/44	16/11	3/2	189/121	567/352	18/11	819/484	252/143	39/22	81/44	21/11	234/121	2/1
347.4	70.1	123.4	150.6	203.9	278.9	289.2	354.5	417.5	482.8	493.1	563.4	621.4	648.7	702.0	772.1	825.3	852.6	910.6	980.9	991.2	1056.5	1119.5	1141.8	1200.0
14/11	: 33/32	22/21	121/112	44/39	143/126	33/28	11/9	33/26	143/112	121/91	11/8	86/63	132/91	3/2	99/64	11/7	13/8	22/13	143/84	99/56	11/6	13/7	121/63	2/1
417.5	53.3	80.5	133.8	208.8	219.1	284.4	347.4	412.7	423.0	493.3	551.3	578.6	631.9	702.0	755.2	782.5	840.5	910.8	921.1	986.4	1049.4	1071.7	1129.9	1200.0
21/16	: 64/63	22/21	128/117	208/189	8/7	32/27	16/13	26/21	352/273	4/3	256/189	88/63	16/11	3/2	32/21	52/33	64/39	104/63	12/7	16/9	416/231	352/189	64/33	2/1
470.8	27.3	80.5	138.6	165.8	216.9	294.1	359.5	369.7	440.0	498.0	525.3	578.6	648.7	702.0	729.2	782.5	857.5	867.8	933.1	996.1	1018.4	1076.6	1129.7	1200.0
4/3	: 33/32	14/13	13/12	9/8	7/6	63/52	39/32	33/26	21/16	4/3	11/8	63/44	189/128	3/2	273/176	21/13	13/8	27/16	7/4	39/22	11/6	21/11	63/32	2/1
498.0	53.3	128.3	138.6	203.9	266.9	332.2	342.5	412.7	470.8	498.0	551.3	621.4	674.7	702.0	760.0	830.3	840.5	905.9	968.8	991.2	1049.4	1119.5	1172.7	1200.0
11/8	: 448/429	104/99	12/11	112/99	168/143	13/11	16/13	14/11	128/99	4/3	168/121	63/44	16/11	182/121	224/143	52/33	18/11	56/33	208/121	16/9	224/121	21/11	64/33	2/1
551.3	75.0	85.3	150.6	213.6	278.9	289.2	359.5	417.5	444.8	498.0	568.1	621.4	648.7	706.7	777.0	787.3	852.6	915.6	937.9	996.1	1066.2	1119.5	1146.7	1200.0
56/39	: 169/168	117/112	13/12	9/8	507/448	33/28	39/32	26/21	143/112	117/88	351/256	39/28	507/352	3/2	169/112	351/224	13/8	507/308	143/84	39/22	117/64	13/7	429/224	2/1
626.3	10.3	75.6	138.6	203.9	214.2	284.4	342.5	369.7	423.0	493.1	546.4	573.7	631.7	702.0	712.2	777.6	840.5	862.9	921.1	991.2	1044.4	1071.7	1125.0	1200.0
13/9	: 27/26	14/13	189/169	9/8	198/169	63/52	16/13	33/26	189/143	567/416	18/13	63/44	252/169	3/2	81/52	21/13	18/11	22/13	252/143	189/104	24/13	99/52	336/169	2/1
636.6	65.3	128.3	193.6	203.9	274.2	332.2	359.5	412.7	482.8	536.1	563.4	621.4	691.7	702.0	767.3	830.3	852.6	910.8	980.9	1034.2	1061.4	1114.7	1189.7	1200.0
3/2	: 28/27	14/13	13/12	44/39	7/6	32/27	11/9	14/11	21/16	4/3	91/66	56/39	13/9	3/2	14/9	52/33	44/27	56/33	7/4	16/9	11/6	224/117	52/27	2/1
702.0	63.0	128.3	138.6	208.8	266.9	294.1	347.4	417.5	470.8	498.0	556.1	626.3	636.6	702.0	764.9	787.3	845.5	915.6	968.8	996.1	1049.4	1124.4	1134.7	1200.0
14/9	: 27/26	117/112	99/91	9/8	8/7	33/28	27/22	81/64	9/7	117/88	18/13	39/28	81/56	3/2	117/77	11/7	18/11	27/16	12/7	99/56	24/13	13/7	27/14	2/1
764.9	27.3	75.6	145.9	203.9	231.2	284.4	354.5	407.8	435.1	493.1	563.4	573.7	639.0	702.0	724.3	782.5	852.6	905.9	933.1	986.4	1061.4	1071.7	1137.0	1200.0
21/13	: 169/168	22/21	13/12	208/189	143/126	13/11	39/32	26/21	129/132	4/3	169/126	39/28	13/9	338/231	286/189	52/33	13/8	104/63	143/84	16/9	338/189	13/7	52/27	2/1
830.3	10.3	80.5	138.6	165.8	219.1	289.2	342.5	369.7	427.8	498.0	508.3	573.7	636.6	659.0	717.2	787.3	840.5	867.8	921.1	996.1	1006.4	1071.7	1134.7	1200.0
13/8	: 176/169	14/13	128/117	44/39	168/143	63/52	16/13	14/11	224/169	4/3	18/13	56/39	16/11	176/117	224/143	21/13	64/39	22/13	896/507	16/9	24/13	224/117	336/169	2/1
840.5	70.3	128.3	155.6	208.8	278.9	332.2	359.5	417.5	487.8	498.0	563.4	626.3	648.7	706.9	777.0	830.3	857.5	910.8	985.8	996.1	1061.3	1124.4	1189.7	1200.0
22/13	: 91/88	104/99	13/12	273/242	819/704	13/11	1183/968	14/11	169/132	117/88	91/66	169/121	13/9	182/121	273/176	52/33	13/8	56/33	169/99	39/22	182/99	21/11	169/88	2/1
910.8	58.0	85.3	138.6	208.7	261.9	289.2	347.2	417.5	427.8	493.1	556.1	578.4	636.6	706.7	760.0	787.3	840.5	915.6	925.8	991.2	1054.1	1119.5	1129.7	1200.0
7/4	: 64/63	22/21	12/11	9/8	8/7	13/11	16/13	26/21	9/7	4/3	104/77	88/63	16/11	3/2	32/21	11/7	64/39	104/63	12/7	16/9	24/13	13/7	176/91	2/1
968.8	27.3	80.5	150.6	203.9	231.2	289.2	359.5	369.7	435.1	498.0	520.4	578.6	648.7	702.0	729.2	782.5	857.5	867.8	933.1	996.1	1061.4	1071.7	1142.0	1200.0
16/9	: 33/32	189/176	567/512	9/8	819/704	63/52	39/32	81/64	21/16	117/88	11/8	63/44	189/128	3/2	99/64	21/13	13/8	27/16	7/4	189/104	117/64	99/52	63/32	2/1
996.1	53.3	123.4	176.6	203.9	261.9	332.2	342.5	407.8	470.8	493.1	551.3	621.4	674.7	702.0	755.2	830.3	840.5	905.9	968.8	986.4	1044.4	1114.7	1172.7	1200.0
11/6	: 126/121	189/176	12/11																					