
 Ordinaire 24 archicembalo tuning
 A DOG (Diversity of Gradations) system

114.8	321.1		617.6	812.1	1030.1		
C#*	Eb*		F#*	G#*	Bb*		
C*	D*	E*	F*	G*	A*	B*	C
36.3	229.7	424.2	539.1	733.6	927.0	1121.5	1236.3

78.5	284.8		581.3	775.8	993.8		
C#	Eb		F#	G#	Bb		
C	D	E	F	G	A	B	C
0	193.4	387.9	502.7	697.3	890.6	1085.2	2/1

In this modified meantone tuning, each 12-note circle has nine usual meantone fifths (F-G#), which in this 1024-ed2 version produce regular major thirds at 387.891 cents, or 1.577 cents wide of a pure 5/4. The other three fifths (G#/Ab-D#/Eb-Bb-F) are tempered equally wide at 708.984 cents, or 7.029 cents larger than a pure 3/2.

The two 12-note circles are at a distance of 36.328 cents, equal to the enharmonic diesis for a regular meantone temperament with a major third at 387.891 cents.

As a result, 20 of the 24 notes (all except Eb and Bb on each manual) are identical to their positions in a regular meantone of this shading, and quite close to what their positions would be in Nicola Vicentino's 31-note cycle, whether based on 1/4-comma meantone or the minutely different 31-ed2.

In 1/4-comma meantone, Vicentino's first archicembalo tuning based on a 31-note cycle divides a chromatic semitone at 76.049 cents into two near-equal dieses or "fifhtones" at 128/125 (41.059 cents) and 34.990 cents. In 31-ed2, with a chromatic semitone at 77.419 cents, these dieses are identical at 38.710 cents. Here, with the chromatic semitone at 78.516 cents, the dieses are at 36.328 cents and 42.188 cents.

In short, this DOG system shows many features of its Vicentino lineage, while the element of irregular temperament for Eb and Bb on each manual introduces the muttlike diversity of step and interval sizes for which this variety of tuning system is known.

Margo Schulter
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