

Table II. Chromatic scale of 'Werckmeister III'. The unit of deviation is the quarter of a comma. The column with string lengths is after Türk (1808, pp.477-482).

Tone	Deviation from Werckmeister I	Relative pitch (cents)	Türk's string lengths	Idem, converted into cents
C	C 0	0	8192	0
Csharp	Cis +4	90.226	7776	90.225
D	D -2	192.180	7331	192.247
Eflat	Dis +4	294.135	6912	294.135
E	E +1	390.225	6540	389.910
F	F 0	498.045	6144	498.045
Fsharp	Fis 0	588.270	5832	588.270
G	G -1	696.090	5480	696.048
Gsharp	Gis +4	792.181	5184	792.180
A	A +1	888.270	4905	887.955
Bflat	As +4	996.090	4608	996.090
B	H +1	1092.180	4360	1091.865
c		1200	4096	1200
unequality inaccuracy		6.484		0.139

Table III. Temperings of consonant intervals and mean temperings of triads and keys in 'Werckmeister III'. The unit of tempering of the fifth and the major thirds is one quarter of a neutral comma (about 5.5 cents), as used by Werckmeister. D=ditonic comma.

Fundamental tone	tempering of					mean tempering		
	fifth		major third		minor third	major triad key		
	units	commas cents	units	cents		cents	cents	
Eflat	0	0	0	3	15.641	-21.506	10.428	10.265
Bflat	0	0	0	2	9.776	-21.506	6.518	9.613
F	0	0	0	1	3.912	-21.506	2.608	6.124
C	-1	-1/4 D	-5.865	1	3.912	-21.506	6.518	9.124
G	-1	-1/4 D	-5.865	2	9.776	-15.641	10.428	9.450
D	-1	-1/4 D	-5.865	2	9.776	-9.776	10.428	9.939
A	0	0	0	3	15.641	-3.912	10.428	10.591
E	0	0	0	3	15.641	-9.776	10.428	11.242
B	-1	-1/4 D	-5.865	3	15.641	-15.641	14.338	11.731
Fsharp	0	0	0	4	21.506	-15.641	14.338	11.731
Csharp	0	0	0	4	21.506	-15.641	14.338	11.405
Gsharp	0	0	0	4	21.506	-15.641	14.338	10.916
mean (of tuning)							10.428	10.428

Table IV. Frequencies of tones, and beat frequencies of fifths, fourths, and major thirds of the octave below and above middle C, of 'Werckmeister III', calculated for a'=440 Hz.

Fundamental tone	Frequency (Hz)	Beat frequency (Hz) of		
		fifth	fourth	major third
C	131.702	-1.336	0	1.490
Csharp	138.748	0	0	8.672
D	147.164	-1.493	1.998	4.167
Eflat	156.091	0	0	7.083
E	165	0	0	7.488
F	175.603	0	0	1.986
Fsharp	184.997	0	2.511	11.562
G	196.885	-1.998	2.673	5.575
Gsharp	208.122	0	0	13.007
A	220	0	2.986	9.983
Bflat	234.137	0	0	6.630
B	247.5	-2.511	0	11.231
middle C	263.404	-2.672	0	2.979
Csharp	277.496	0	0	17.343
D	294.329	-2.986	3.995	8.334
Eflat	312.183	0	0	14.166
E	330	0	0	14.975
F	351.206	0	0	3.972
Fsharp	369.994	-	5.022	23.124
G	393.770	-	5.345	11.150
Gsharp	416.244	-	-	26.015
A	440	-	-	-
Bflat	468.274	-	-	-
B	495	-	-	-
C	526.808	-	-	-