

Piano vs Voice (Old 100th)

Psaumes de David (1551)

Human voices compared to piano key frequencies (equal temperament)

The image displays a musical score for 'Piano vs Voice (Old 100th)' from 'Psaumes de David (1551)'. It compares biological human voice frequencies with equal-tempered piano key frequencies. The score is divided into two systems, with the second system starting at measure 11. Each system contains four staves: Biological Treble, Biological Alto, Biological Tenor, and Biological Bass. Below each staff, two rows of frequencies are provided: 'Biological' and 'Tempered Piano'. The biological frequencies are integers, while the tempered piano frequencies are decimal values. The key signature is three sharps (F#, C#, G#) and the time signature is 3/2.

System	Measure	Biological Treble	Tempered Piano Treble	Biological Alto	Tempered Piano Alto	Biological Tenor	Tempered Piano Tenor	Biological Bass	Tempered Piano Bass
System 1	1	440	440	330	329.6	440	440	220	220
	2	550	554.4	440	440	440	440	220	220
	3	495	493.9	495	493.9	412.5	415.3	165	164.8
	4	440	440	440	440	352	369.9	176	184.9
	5	412.5	415.3	330	329.6	330	329.6	165	164.8
	6	352	369.9	352	369.9	440	440	176	184.9
	7	412.5	415.3	330	329.6	495	493.9	165	164.8
	8	440	440	330	329.6	550	554.4	110	110
	9	660	659.3	330	329.6	550	554.4	220	220
	10	660	659.3	440	440	550	554.4	220	220
System 2 (Starts at Measure 11)	11	555	554.4	440	440	550	554.4	220	220
	12	440	440	440	440	440	440	165	164.8
	13	412.5	415.3	352	369.9	495	493.9	176	184.9
	14	440	440	352	369.9	440	440	146.6	146.6
	15	352	369.9	352	369.9	586.6	587.3	110	110
	16	440	440	330	329.6	550	554.4	165	164.8
	17	495	493.9	440	440	440	440	146.6	146.6
	18	440	440	330	329.6	440	440	220	220
	19	412.5	415.3	330	329.6	440	440	165	164.8
	20	440	440	330	329.6	440	440	110	110

Tonic (1/1 = 440); second (9/8 = 495); third (5/4 = 550); fourth (4/3 = 586.666); fifth (3/2 = 660); sixth (8/5 = 704); seventh (15/8 = 825); octave (2/1 = 880).