




Corrigendum for: Towards a finite element model of a batch of experimental violins: validation on sub-structural components

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About the article Meza-Pérez A. Stoppani G. Viala R. Gonzalez S. Igartua U, et al. 2025. Towards a finite element model of a batch of experimental violins: validation on sub-structural components. Acta Acustica, 9, 2, the authors have identified an error in Table 1. In the first row of the second half, a 7 has been added by mistake: 128617 instead of 12861.

Table 1. Measured densities of the 12 wedges (average of the geometric and displacement methods); Values of the Young modulus along the grain E_L derived from equation (1), using the measured averaged densities and the sound velocities measured with two methods. The last three lines of each table provide the averages, the standard deviations and the coefficients of variations across the six wedges of the same type. The error values for density were derived from the differences between the two density measurement methods, whereas the values for E_L were directly calculated for each sound velocity measurement.

	Measured ρ [kg · m ⁻³]	E_L derived from sound velocity measured with the first compression mode [MPa]	E_L derived from sound velocity measured with Lucchimeter [MPa]
Top wedge			
A	381 ± 3	10823	11601
B	388 ± 3	11771	12989
C	370 ± 3	11624	12466
D	374 ± 3	11427	12518
E	362 ± 3	10814	11571
F	367 ± 3	11072	11768
Mean	374	11255	12152
Standard deviation	9	412	587
Coefficients of variations	2.3%	3.7%	4.8%
Back wedge			
A	558 ± 5	11139	12861
B	574 ± 5	12276	15116
C	568 ± 5	11154	13001
D	559 ± 5	10777	13018
E	570 ± 5	10801	12591
F	574 ± 5	11685	14356
Mean	567	11306	13491
Standard deviation	7	578	1006
Coefficients of variations	1.3%	5.1%	7.5%

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