

Errata to "Plucked guitar transients: comparison of measurements and synthesis"

In the Journal version of Table 1, the power-of-ten multiples near the bottom have all been shifted down one row in the printed version. This has been corrected in the PDF file on this web site. The table should read:

Table 1. String properties for D'Addario Pro Arté "Composites, hard tension" guitar strings, with a scale length of 0.65 m.

String:			1	2	3	4	5	6
Tuning note			E ₃	B ₃	G ₂	D ₂	A ₂	E ₁
Frequency	f_0	(Hz)	329.6	246.9	196.0	146.8	110.0	82.4
Tension	T	(N)	70.3	53.4	58.3	71.2	73.9	71.6
Mass/unit length	ρ	(g/m)	0.38	0.52	0.90	1.95	3.61	6.24
Wave speed	c	(m/s)	429	321	255	191	143	107
Wave impedance	Z_0	(Ns/m)	0.164	0.166	0.229	0.373	0.517	0.668
Bending stiffness	B	(N m ²)	130	160	310	51	40	57 ×10 ⁻⁶
Loss coefficients	η_F		40	40	14	5	7	2 ×10 ⁻⁵
	η_B		2.4	2.0	2.0	2.0	2.5	2.0 ×10 ⁻²
	η_A	(s ⁻¹)	1.5	1.2	1.7	1.2	0.9	1.2

Two other misprints remain in the PDF file on this website:

(A) In equation (6) a T has been misprinted as a Z . The equation should read:

$$f_n \approx n f_0 \left(1 + \frac{B \pi^2}{2 T L^2} n^2 \right) \quad (6)$$

(B) The caption of Fig. 15 should refer to the fifth string, not the sixth string, so it should read:

Figure 15. Damping factors measured from "string modes" of notes up to the 12th fret on the fifth string (A₂) of the test guitar (plotted symbols) and the fitted version of equation (8) which follows the "floor" of these data points (continuous curve).