

CORRIGENDA

J. G. Ren and D. R. J. Owen, Vibration and buckling of laminated plates, *Int. J. Solids Structures* **25**, 95-106 (1989).

The first equation in Section 3.1 should read:

$$\begin{aligned}
 & D_{11}W_{,xxxx} + 2(D_{12} + 2D_{33})W_{,xxyy} + D_{22}W_{,yyyy} \\
 & - D_{14}\xi_{,xxx} - (D_{24} + 2D_{35})\xi_{,xxy} - (D_{17} + 2D_{36})\xi_{,yyx} - D_{27}\xi_{,yyy} \\
 & - D_{18}\eta_{,xxx} - (D_{28} + 2D_{39})\eta_{,xxy} - (D_{111} + 2D_{310})\eta_{,yyx} - D_{211}\eta_{,yyy} \\
 & - D_{112}u_{,xxx} - (D_{212} + 2D_{314})u_{,xxy} - (D_{113} + 2D_{314})v_{,xxy} - D_{213}v_{,yyy} \\
 & = M_0\ddot{w} + M_{11}\ddot{w}_{,xx} + M_{22}\ddot{w}_{,yy} - M_{13}\ddot{\xi}_{,xx} - M_{24}\ddot{\xi}_{,yy} - M_{15}\ddot{\eta}_{,xx} - M_{26}\ddot{\eta}_{,yy} - M_{17}\ddot{u}_{,xx} - M_{28}\ddot{v}_{,yy}.
 \end{aligned}$$

The last three rows of Tables 1 and 2 have been corrected, and the correct versions of the tables are as follows:

Table 1. Comparison of natural frequencies, $\bar{\omega} = 10\omega h\sqrt{(\rho/E_T)}$, for simply supported cross-ply square laminated plates with $a/h = 5$

Lamination	NL†	3	10	E_t/E_T 20	30	40
Three-dimensional elasticity (Noor, 1973)						
Antisymmetric	2	2.5031	2.7938	3.0698	3.2705	3.4250
	4	2.6182	3.2578	3.7622	4.0660	4.2719
	6	2.6440	3.3657	3.9359	4.2783	4.5091
	10	2.6583	3.4250	4.0337	4.4011	4.6498
Symmetric	3	2.6474	3.2841	3.8241	4.1089	4.3006
	5	2.6587	3.4089	3.9792	4.3140	4.5374
	9	2.6640	3.4432	4.0547	4.4210	4.6679
Present						
Antisymmetric	2	2.4128	2.7769	3.0525	3.2529	3.4072
	4	2.5943	3.2296	3.7318	4.0352	4.2418
	6	2.6181	3.3346	3.9015	4.2426	4.4730
	10	2.6308	3.3917	3.9969	4.3631	4.6120
Symmetric	3	2.6234	3.3037	3.7935	4.0779	4.2699
	5	2.6327	3.3775	3.9446	4.2781	4.5011
	9	2.6364	3.4130	4.0176	4.3824	4.6291

† Number of layers.

Table 2. Comparison of critical buckling coefficients, $\bar{N} = N_x b^2 / (E_T h^3)$ for simply supported cross-ply square laminated plates with $a/h = 10$

Lamination	NL	3	10	E_L/E_T 20	30	40
Three-dimensional elasticity (Noor, 1975)						
Antisymmetric	2	4.6948	6.1181	7.8196	9.3746	10.8167
	4	5.1738	9.0164	13.7429	17.7829	21.2796
	6	5.2673	9.6051	15.0014	19.6394	23.6689
	10	5.3159	9.9134	15.6685	20.6347	24.9636
Symmetric	3	5.3044	9.7621	15.0191	19.3040	22.8807
	5	5.3255	9.9603	15.6527	20.4663	24.5929
	9	5.3352	10.0417	15.9153	20.9614	25.3436
Present						
Antisymmetric	2	4.7743	6.2494	7.9953	9.5859	11.059
	4	5.2449	9.1392	13.9138	17.9850	21.5028
	6	5.3368	9.7238	15.1648	19.8291	23.8738
	10	5.3845	10.0298	15.8274	20.8175	25.1591
Symmetric	3	5.3926	9.9316	15.2592	19.5106	23.1955
	5	5.4050	10.1070	15.8584	20.7066	24.8533
	9	5.4095	10.1742	16.0991	21.1741	25.5718