

Corrigendum to “Indentation of an elastic layer by a rigid cylinder” [International Journal of Solids and Structures, **49** (2012) 2962–2977]

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The authors regret that there are significant typographical errors in the original manuscript of this paper. In both Tables 1 and 2, the expression for $Y(\xi)$ is incorrect. The correct expression were used in all the calculations and in plotting the figures.

For Table 1, the correct expression for $\xi \geq 0.4$ is

$$\text{For } \xi \geq 0.4, \quad Y(\xi) = -4 \sum_{k=1}^8 \exp(-\xi y_k) [A_k \sin(\xi x_k) + B_k \cos(\xi x_k)] .$$

In other words, the coefficients on sine and cosine terms should be interchanged relative to the original publication.

The poles occur in pairs, but **for the bonded layer case only**, there is a single pole on the imaginary axis [Notice that $x_1 = 0$ for all values of ν in Table 2]. Thus, in summing the residues, all the residues should have been multiplied by 2 *except* the first one which is identified by $k = 1$ in Table 2.

The correct expression for the sum of residues in Table 2 should therefore be

$$Y(\xi) = -2B_1 \exp(-\xi y_1) - 4 \sum_{k=2}^8 \exp(-\xi y_k) [A_k \sin(\xi x_k) + B_k \cos(\xi x_k)] .$$

Alternatively, you can use the full series

$$Y(\xi) = -4 \sum_{k=1}^8 \exp(-\xi y_k) [A_k \sin(\xi x_k) + B_k \cos(\xi x_k)] .$$

but replace B_1 by $B_1/2$ in the table of residues.

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