

ERRATUM

*Bulletin of the Seismological Society of America*  
Vol. 79, June 1989, pp. 813-841

STATIC DEFORMATIONS FROM POINT FORCES AND FORCE  
COUPLES LOCATED IN WELDED ELASTIC POISSONIAN  
HALF-SPACES:  
IMPLICATIONS FOR SEISMIC MOMENT TENSORS

BY THOMAS H. HEATON AND ROBERT E. HEATON

Several errors were introduced during the typesetting of our paper. The errors on the left-hand sides of equations (22), (40), and (70) are relatively obvious. The error in equation (28) was in the last term where

$$-\frac{3x^2}{R_2^5 \mathfrak{R}_2^2} \text{ should be replaced by } -\frac{3x^2}{R_2^5 \mathfrak{R}_2}.$$

The correct expressions are given below.

$$\frac{\partial U_x^x}{\partial x} = \text{expression given.} \tag{22}$$

$$\begin{aligned} \frac{\partial U_x^x}{\partial y} = & \frac{-y F_{xy}}{12\pi\mu} \left[ \frac{2}{R_1^3} + \frac{3x^2}{R_1^5} \right] \\ & + \frac{(1-m)^2 y F_{xy}}{12\pi\mu(1+m)(2+m)(1+2m)} \left[ \frac{-1}{R_2 \mathfrak{R}_2^2} + \frac{x^2}{R_2^3 \mathfrak{R}_2^2} + \frac{2x^2}{R_2^2 \mathfrak{R}_2^3} \right] \\ & + \frac{(1-m) y F_{xy}}{12\pi\mu(1+m)(1+2m)} \\ & \cdot \left[ \frac{-2(1+2m)}{R_2^3} - \frac{3(1+2m)x^2 + 6(1+m)cz}{R_2^5} + \frac{30(1+m)czx^2}{R_2^7} \right] \\ & + \frac{(1-m)(z+c) y F_{xy}}{12\pi\mu(1+m)(1+2m)} \left[ \frac{1}{R_2^3 \mathfrak{R}_2} + \frac{1}{R_2^2 \mathfrak{R}_2^2} - \frac{3x^2}{R_2^5 \mathfrak{R}_2} - \frac{3x^2}{R_2^4 \mathfrak{R}_2^2} - \frac{2x^2}{R_2^3 \mathfrak{R}_2^3} \right], \tag{28} \end{aligned}$$

$$\frac{\partial U_x^z}{\partial x} = \text{expression given.} \tag{40}$$

$$W_x^{ds} = \text{expression given.} \tag{70}$$