



Erratum

Erratum: “Plane-Strain Propagation of a Fluid-Driven Fracture: Small Toughness Solution” [Journal of Applied Mechanics, 2005, 72(6), pp. 916–928]

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Equations (28), (35*b*), (47), and (C16), and expression for Π_1 in Appendix D in the published paper contain typographical errors. The corrected equations are written as follows:

$$\hat{\mathcal{K}} = \left(\frac{2}{3}\right)^{-1/3} \gamma^{-1/2} \mathcal{K} \quad (28)$$

$$\hat{\varepsilon} = \frac{E' \mu' v_{\text{tip}}}{K'^2} \quad (35b)$$

$$\mathcal{E}(\mathcal{K}) = B_1 \mathcal{K}^b = \left(\frac{2}{3}\right)^{1/3} \beta_1 \hat{\mathcal{K}}^b \quad (47)$$

$$\hat{\Omega}_0(\hat{\xi}) = \hat{\xi}^{1/2} + F_{00}(\hat{\xi}) + \frac{4}{\pi} \sum_{j=1}^{n-1} \left[a_j F_{1n}(\hat{\xi}, \hat{\eta}) + b_j \delta F\left(\frac{2}{3}, \hat{\xi}, \hat{\eta}\right) \right]_{\hat{\eta}=\hat{\xi}_j}^{\hat{\eta}=\hat{\xi}_{j+1}} + F_{0\infty}(\hat{\xi}) \quad (C16)$$

$$\Pi_1 = b_{11} {}_2F_1\left(c_{11}, 1; \frac{1}{2}; \xi^2\right) + b_{12} {}_2F_1\left(c_{12}, 1; \frac{1}{2}; \xi^2\right) + b_{13} \xi^2 {}_2F_1\left(c_{13}, 2; \frac{3}{2}; \xi^2\right) + b_{14} (2 - \pi|\xi|) \quad (\text{Appendix D, p. 927})$$

We are grateful to Dr. Andrew Bungler for bringing to our attention the second error.