Erratum to: Distributed dislocation approach for cracks in couple-stress elasticity: shear modes

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The authors wish to apologize for any inconvenience caused due to the fact that erroneous versions of Eqs. (14), (58), and (60a,b) were published. Please find on this page the correct Eqs. (14), (58), and (60a,b) that should be regarded by the reader as the final versions

$$\omega_{ij} = \frac{1}{2} (\partial_i u_j - \partial_j u_i), \quad (14)$$

$$\begin{aligned} \tau_{xz} = & -\frac{\mu b}{2\pi r} \sin \theta - \frac{\mu b (1 + \beta)}{8\pi \ell} (\sin 3\theta + \sin \theta) \\ & \times K_1(r/\ell) + \frac{\mu b (1 + \beta)}{2\pi r} \\ & \times \left[\frac{2\ell^2}{r^2} - K_2(r/\ell) \right] \sin 3\theta, \end{aligned} \quad (58a)$$

$$\begin{aligned} \tau_{yz} = & \frac{\mu b}{2\pi r} \cos \theta + \frac{\mu b (1 + \beta)}{8\pi \ell} (\cos 3\theta - \cos \theta) \\ & \times K_1(r/\ell) - \frac{\mu b (1 + \beta)}{2\pi r} \\ & \times \left[\frac{2\ell^2}{r^2} - K_2(r/\ell) \right] \cos 3\theta, \end{aligned} \quad (58b)$$

$$\begin{aligned} m_{yy} = -m_{xx} = & \frac{\mu \ell^2 (1 + \beta) b}{\pi r^2} \cos 2\theta \\ & - \frac{3\mu b \ell^2 (1 + \beta)^2}{\pi r^2} \left(\frac{2\ell^2}{r^2} - K_2(r/\ell) \right) \cos 4\theta \\ & + \frac{\mu b (1 + \beta)^2}{2\pi} K_2(r/\ell) \cos 4\theta \\ & - \frac{\mu b (1 + \beta)^2}{8\pi} K_0(r/\ell) (3 \cos 4\theta + 1), \end{aligned} \quad (60a,b)$$

where all symbols are defined in the paper. The above misprints do not affect the results of the paper.

The online version of the original article can be found under doi:[10.1007/s10704-007-9139-5](https://doi.org/10.1007/s10704-007-9139-5).

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