International Journal of Solids and Structures 102–103 (2016) 321–322

Contents lists available at ScienceDirect

International Journal of Solids and Structures

journal homepage: www.elsevier.com/locate/ijsolstr

Corrigendum

Corrigendum to "A methodology for the estimation of the effective yield function of isotropic composites" [Int. J. Solids Struct. 87 (2016) 120–138]

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The authors regret the following typographical errors which they would like to amend with this corrigendum.

(i) The line after equation (45) in the original published manuscript (Papadioti et al., 2016) should read: The result stated in (45) was first presented by Ponte Castañeda and deBotton (1992) (*c.f.* equation (16) in that article), who used a "dissipation function" formulation...

(ii) The paper (Ponte Castañeda and deBotton, 1992) should be added to the list of references of the original published article (Papadioti et al., 2016).

(iii) In the original article (Papadioti et al., 2016), the values for the phase reference strains $\varepsilon_0^{(i)}$, defined in equation (73), that have been used to obtain all results in Section 5 have been mistyped. Equation (73) in the original article (Papadioti et al., 2016) should read

$$\sigma_y^{(i)}\left(\bar{\varepsilon}^{(i)}\right) = \sigma_0^{(i)}\left(1+\frac{\bar{\varepsilon}^{(i)}}{\varepsilon_0^{(i)}}\right)^{\frac{1}{\eta^{(i)}}}, \qquad \varepsilon_0^{(i)} = 0.005. \tag{1}$$

As a consequence of the above mistype, the corresponding Fig. 10 in the original article (Papadioti et al., 2016) showing the yield response of each phase should be replaced by Fig. 1 of the present corrigendum in order to take into account the correct values of $\varepsilon_0^{(i)}$ shown in Eq. (1) above.

DOI of original article: 10.1016/j.ijsolstr.2016.02.022
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http://dx.doi.org/10.1016/j.ijsolstr.2016.09.026

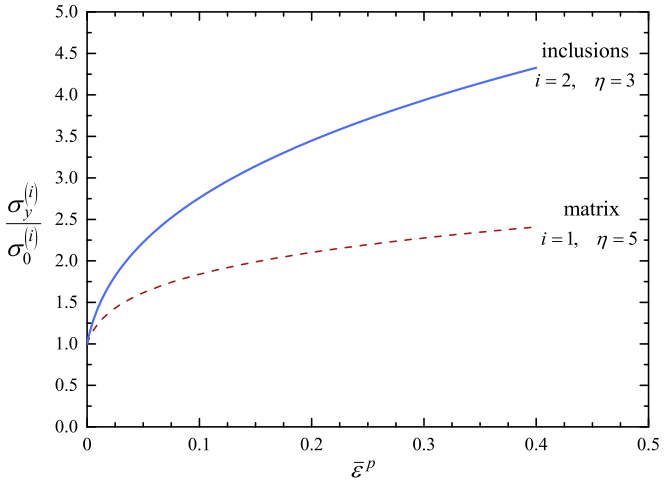

Fig. 1. Uniaxial stress-strain curves of phases (Fig. 10 in original article should be replaced with this one).

References

Papadioti, I., Danas, K., Aravas, N., 2016. A methodology for the estimation of the effective yield function of isotropic composites. Int. J. Solids. Struct. 87, 120–138.
Ponte Castañeda, P., deBotton, G., 1992. On the homogenized yield strength of two-phase composites. Proc. R. Soc. Lond. A 438, 419–431.