



CORRECTION

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Correction to: A directional-dependent localized mass-field damage model for anisotropic brittle fracture

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Correction to: Acta Mech (2022)
<https://doi.org/10.1007/s00707-022-03147-0>

There are typographical errors in the original publication of this article. The errors are related to notations of spatial elasticity tensor in the component forms. The notation for a spatial elasticity tensor in the component form should be written as c_{ijkl} instead of \mathbb{C}_{ijkl} . We apologize for these mistakes. There are five typo mistakes in the original paper, which are corrected as follows:

- The second sentence in the first paragraph on page 8 is corrected as: Referring to [26], the Cauchy stress, σ^{iso} , and the spatial elasticity tensor in component form, c_{ijkl}^{iso} , for the isotropic part are given, respectively, by
- The first sentence in the first paragraph on page 11 is corrected as: The spatial constitutive matrix, \mathbf{D} , is established through the components of the tensor c_{ijkl} .
- Equation (22b) is corrected as:

$$c_{ijkl}^{\text{iso}} = \frac{\rho}{\rho_0} [\lambda'(\delta_{ij}\delta_{kl}) + \mu'(\delta_{ik}\delta_{jl} + \delta_{il}\delta_{jk})], \quad (22b)$$

- Equation (26) is corrected as:

$$c_{ijkl}^{\text{ani}} = \frac{1}{J} F_{iI} F_{jJ} F_{kK} F_{lL} \mathbb{C}_{IJKL}^{\text{ani}} = \frac{\rho}{\rho_0} \left[\frac{2\mu_f}{J} I_4^2(M_{ij}M_{kl}) \right]. \quad (26)$$

- Equation (27b) is corrected as:

$$c_{ijkl} = c_{ijkl}^{\text{iso}} + c_{ijkl}^{\text{ani}} = \frac{\rho}{\rho_0} \left[\lambda'(\delta_{ij}\delta_{kl}) + \mu'(\delta_{ik}\delta_{jl} + \delta_{il}\delta_{jk}) + \frac{2\mu_f}{J} I_4^2(M_{ij}M_{kl}) \right]. \quad (27b)$$

The original article has been corrected.

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