

Errata: Growth and Non-Metricity in Föppl-von Kármán Shells

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Corrections to: *Growth and Non-Metricity in Föppl-von Kármán Shells*, Journal of Elasticity, 140, pp. 337-348, 2020.

1. Line after Equation (6c) on p. 341: Replace ‘ k_{1212} is the Gaussian curvature of the material metric $a_{\alpha\beta}$ ’ with ‘ k_{1212} is the only independent component of the Riemannian curvature associated with the material metric $a_{\alpha\beta}$ ’.
2. Equation (14) on p. 343: Read ...comparing the terms of orders $O(\epsilon)$, $O(\epsilon^{\frac{1}{2}})$ and $O(1)$, respectively, we can identify

$$a_{\alpha\beta} = A_{\alpha\beta} + 2q_{\alpha\beta}^0, \quad b_{\alpha\beta} = B_{\alpha\beta} - q'_{\alpha\beta}, \quad \text{and} \quad q''_{\alpha\beta} = q^{0\mu\nu} q'_{\alpha\mu} q'_{\beta\nu}.$$

as ...comparing the terms of orders $O(1)$, $O(\zeta)$ and $O(\zeta^2)$, respectively, we can identify

$$a_{\alpha\beta} = A_{\alpha\beta} + 2q_{\alpha\beta}^0, \quad b_{\alpha\beta} = B_{\alpha\beta} - q'_{\alpha\beta}, \quad \text{and} \quad q''_{\alpha\beta} = \frac{1}{2} (a^{\mu\nu} b_{\alpha\mu} b_{\beta\nu} - A^{\mu\nu} B_{\alpha\mu} B_{\beta\nu}).$$

3. Equation (15)₂ on p. 344: Read

$$M^{\alpha\beta}{}_{,\alpha\beta} - (B_{\alpha\beta} + \Lambda_{\alpha\beta})\sigma^{\alpha\beta} = 0$$

as

$$M^{\alpha\beta}{}_{,\alpha\beta} - (B_{\alpha\beta} - \Lambda_{\alpha\beta})\sigma^{\alpha\beta} = 0.$$

4. Equation (17a) on p. 344: Read

$$\sigma^{\alpha\beta} = \frac{Eh}{1-\nu^2} \left((1-\nu)\delta^{\alpha\mu}\delta^{\beta\nu} + \nu\delta^{\mu\nu} \right) E_{\mu\nu}^e$$

as

$$\sigma^{\alpha\beta} = \frac{Eh}{1-\nu^2} \left((1-\nu)\delta^{\alpha\mu}\delta^{\beta\nu} + \nu\delta^{\alpha\beta}\delta^{\mu\nu} \right) E_{\mu\nu}^e.$$

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