

Errata for **Plasticity Theory**, Dover Edition

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- p. 5, 1st line after 1st equation: $\lambda_{ij} u_j \stackrel{\text{def}}{=} \mathbf{e}_i \cdot \boldsymbol{\lambda}(\mathbf{e}_j)$ should be $\lambda_{ij} \stackrel{\text{def}}{=} \mathbf{e}_i \cdot \boldsymbol{\lambda}(\mathbf{e}_j)$
- p. 6, 3rd line from the top: a tensor or rank 2 should be a tensor of rank 2
- p. 15, 1st equation: $|\mathbf{d}\mathbf{r}^*|^2 = \mathbf{d}\mathbf{r}^* \cdot \mathbf{d}\mathbf{r}^* = d\mathbf{x}^{*T} d\mathbf{x}^* = d\mathbf{x}^T (\mathbf{I} + \boldsymbol{\alpha}^T) (\mathbf{I} + \boldsymbol{\alpha}) \mathbf{x} = d\mathbf{x}^T (\mathbf{I} + 2\mathbf{E}) \mathbf{x}$, should be $|\mathbf{d}\mathbf{r}^*|^2 = \mathbf{d}\mathbf{r}^* \cdot \mathbf{d}\mathbf{r}^* = d\mathbf{x}^{*T} d\mathbf{x}^* = d\mathbf{x}^T (\mathbf{I} + \boldsymbol{\alpha}^T) (\mathbf{I} + \boldsymbol{\alpha}) d\mathbf{x} = d\mathbf{x}^T (\mathbf{I} + 2\mathbf{E}) d\mathbf{x}$,
- p. 16, line above 3rd equation: $\mathbf{I} + \boldsymbol{\omega}$ should be $\mathbf{I} + \boldsymbol{\omega}$ $d\mathbf{x}$
- p. 70, 2nd line above Eq. (1.5.9): $\Omega = \Omega(\mathbf{p}, T, \boldsymbol{\xi})_r$ should be $\Omega = \Omega(\mathbf{p}, T, \boldsymbol{\xi})$
- p. 183, line 4 of paragraph after 1st equation: $H - > 0$ should be $H \rightarrow 0$
- p. 183, line 5 of paragraph after 1st equation: $m - > inf$ should be $m \rightarrow \infty$
- p. 213, 1st line of paragraph after *Spherical Cavity in an Infinite Solid*: $b \rightarrow inf$ should be $b \rightarrow \infty$
- p. 222, last line: $b/a \rightarrow inf$ should be $b/a \rightarrow \infty$
- p. 223, 2nd line of paragraph above last equation: $b/a \rightarrow inf$ should be $b/a \rightarrow \infty$
- p. 311, 3rd line above paragraph beginning "It follows...": $\dot{\kappa}_r = inf$ should be $\dot{\kappa}_r = \infty$
- p. 468, 4th line from bottom: $\mathbf{v} = \text{dot}\mathbf{F}\mathbf{u}$, so that $\mathbf{u}^T \mathbf{u} = \text{dot}\mathbf{v}^T \mathbf{B}^{-1} \mathbf{v}$ should be $\mathbf{v} \doteq \mathbf{F}\mathbf{u}$, so that $\mathbf{u}^T \mathbf{u} \doteq \mathbf{v}^T \mathbf{B}^{-1} \mathbf{v}$
- p. 481, line 5 of 3rd paragraph: $(\mathbf{x}, \mathbf{x}+, d\mathbf{x})$ should be $(\mathbf{x}, \mathbf{x} + d\mathbf{x})$