

## Erratum.

To readers of the book:

**M. R. Eslami, R. B. Hetnarski, J. Ignaczak, N. Noda, N. Sumi and Y. Tanigawa, Theory of Elasticity and Thermal Stresses - Explanations, Problems and Solutions, Springer, 2013**

It has been discovered that the Navier equations 24.44 on page 662 contain typing errors. Therefore, if you possess the book or the library of your university or institution has it in its collection, please note: Equations as printed in the book:

$$(2\mu + \lambda) \left( \frac{\partial^2 u_r}{\partial r^2} + \frac{1}{r} \frac{\partial u_r}{\partial r} - \frac{1}{r^2} u_r \right) + \mu \frac{\partial^2 u_z}{\partial z^2} + (\lambda + \mu) \frac{\partial^2 u_z}{\partial r \partial z} = \beta \frac{\partial T}{\partial r}$$
$$\mu \left( \frac{\partial^2 u_z}{\partial z^2} + \frac{1}{r} \frac{\partial u_z}{\partial z} - \frac{1}{r^2} u_z \right) + (2\mu + \lambda) \frac{\partial^2 u_z}{\partial z^2} + (\lambda + \mu) \left( \frac{\partial^2 u_r}{\partial r \partial z} + \frac{1}{r} \frac{\partial u_r}{\partial z} \right) = \beta \frac{\partial T}{\partial z}$$

must be changed to the correct form:

$$(2\mu + \lambda) \left( \frac{\partial^2 u_r}{\partial r^2} + \frac{1}{r} \frac{\partial u_r}{\partial r} - \frac{1}{r^2} u_r \right) + \mu \frac{\partial^2 u_r}{\partial z^2} + (\lambda + \mu) \frac{\partial^2 u_z}{\partial r \partial z} = \beta \frac{\partial T}{\partial r}$$
$$\mu \left( \frac{\partial^2 u_z}{\partial r^2} + \frac{1}{r} \frac{\partial u_z}{\partial r} \right) + (2\mu + \lambda) \frac{\partial^2 u_z}{\partial z^2} + (\lambda + \mu) \left( \frac{\partial^2 u_r}{\partial r \partial z} + \frac{1}{r} \frac{\partial u_r}{\partial z} \right) = \beta \frac{\partial T}{\partial z}$$



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