

Errors in Chapter 2:

Pg 44:

Sixth line from the top: an extra subscript appears in the y-component. The corrected sentence should appear:

"...parallel to the x-y-z coordinate axes, F_x , F_y , and F_z , respectively, ..."

Pg 50:

Fourth line from the bottom of the page: An incorrect subscript appears. The equation should read:

$$c_z^y = \cos(\text{angle between } z\text{- and } y\text{- axes}) = -\sin \beta \cos \theta$$

Pg. 60:

Thirteenth line from the top: Vertical lines indicating "magnitude" are missing. The line should read:

$$|V_{xy}| = |V_{yx}|, |V_{xz}| = |V_{zx}|, \text{ and } |V_{yz}| = |V_{zy}|.$$

Pg. 82:

Second sentence following Eq 20: an extraneous slash (/) appears between "stress" and "tensor". The sentence should read:

"Transformation of a general (3D) stress tensor should be..."

Pg. 91:

Subscripts in one of the arrays that appear following Eq (35) are incorrect. Specifically, in the array on the right-hand side of the equality sign, the engineering shear strain in the [3,1] position should be: $(\gamma_{xz} / 2)$

Pg. 101:

Seventh line following the heading "3 STRAINS WITHIN A PLANE PERPENDICULAR TO A PRINCIPAL STRAIN DIRECTION": an incorrect subscript appears. The subscripts should be:

"...within the x - y plane, ϵ_{xx} , ϵ_{yy} , and ϵ_{xy} ."