Assignment 1
The student who submitted this assignment has passed.

Due on 2021-02-03, 23:59:00 EST

1) Tractor vector is independent of plane.

2) Cavity's unit intensity is a point for a given state of

3) The force vector is transferred to the tractor vector by

4) The cavity's stress tensor component is by

5) Stress tensor is given by

6) The y component of tractor vector acting on the plane is

7) Stress tensor is given by

8) The shear stress acting on the plane whose normal makes equal inclination with coordinate axes is

9) Given the stress tensor $\sigma_{ij} = \begin{pmatrix} 3 \sigma & 0 & 0 \\ 0 & 2 \sigma & 0 \\ 0 & 0 & \sigma \end{pmatrix}$ with reference to $x, y, z$ axes. The sets of coordinate axes $x', y', z'$ are

Anchored Answers (Type: Exact)