

Worksheet # 12

Friday, March 1, 2024

Name**Question (5 pts):**

The components of the traceless symmetric tensor are given by

$$T_{ij(s)} = \frac{u_i v_j + u_j v_i}{2} - \frac{\mathbf{u} \cdot \mathbf{v}}{3} \delta_{ij}.$$

How many independent components does this tensor have? What are these components?