

**surface stress,  $T_{ij}$** 

The work required to form unit area of new surface by stretching under equilibrium conditions. It is numerically equal to the force acting in the  $j$ th direction per unit length of exposed edge, the edge being normal to the  $i$ th direction, that must be applied to a terminating surface to keep it in equilibrium, the  $i$ th and  $j$ th directions lying in the plane of the surface.

**Source:**

PAC, 1986, 58, 437 (*Interphases in systems of conducting phases (Recommendations 1985)*) on page 451