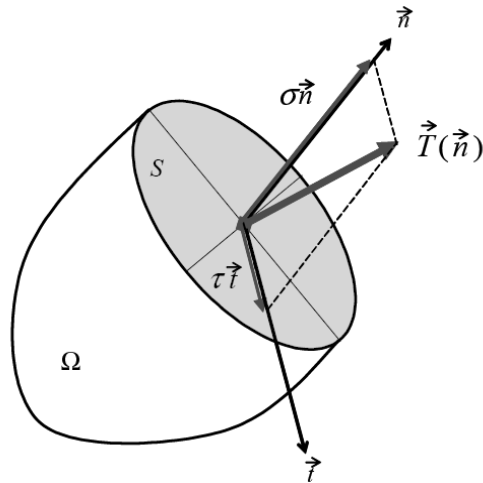
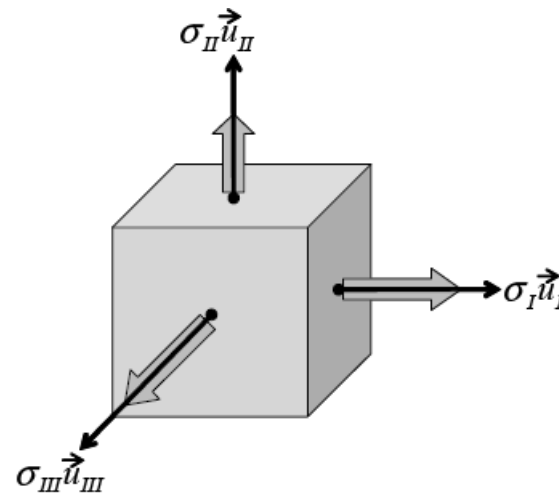
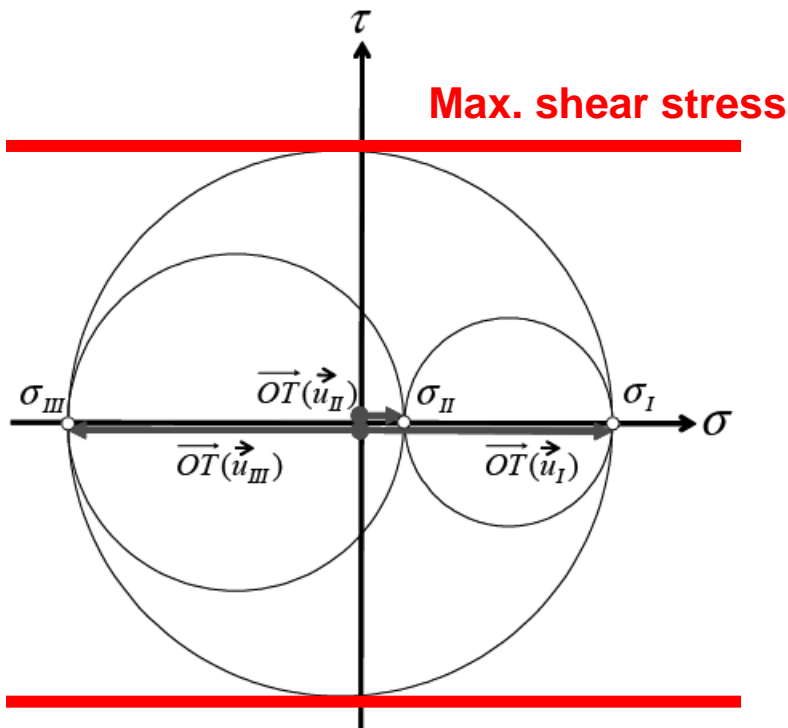
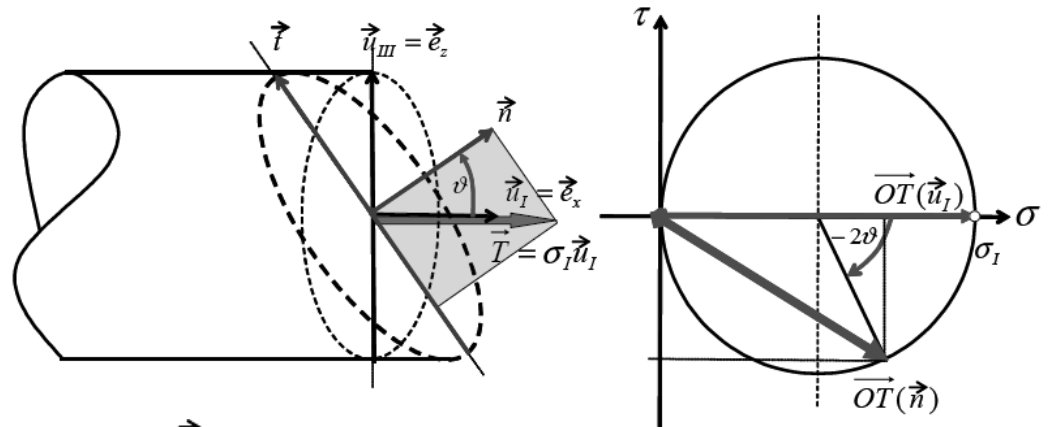


# Lecture 11- summary

Representation of stress vector in normal and shear component



$$\vec{T}(\vec{n}) = \sigma \vec{n} + \tau \vec{t} \quad \left\{ \begin{array}{l} \sigma = \vec{n} \cdot \vec{T}(\vec{n}) = \vec{n} \cdot \boldsymbol{\sigma} \cdot \vec{n} \\ \tau = \vec{t} \cdot \vec{T}(\vec{n}) = \vec{t} \cdot \boldsymbol{\sigma} \cdot \vec{n} \end{array} \right.$$



Stress tensor diagonalization

Can immediately draw three Mohr circles  $\rightarrow$  then apply strength criteria