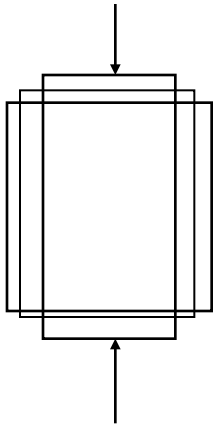
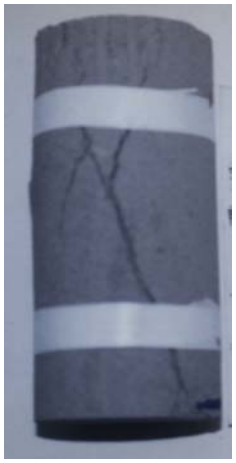
HW5

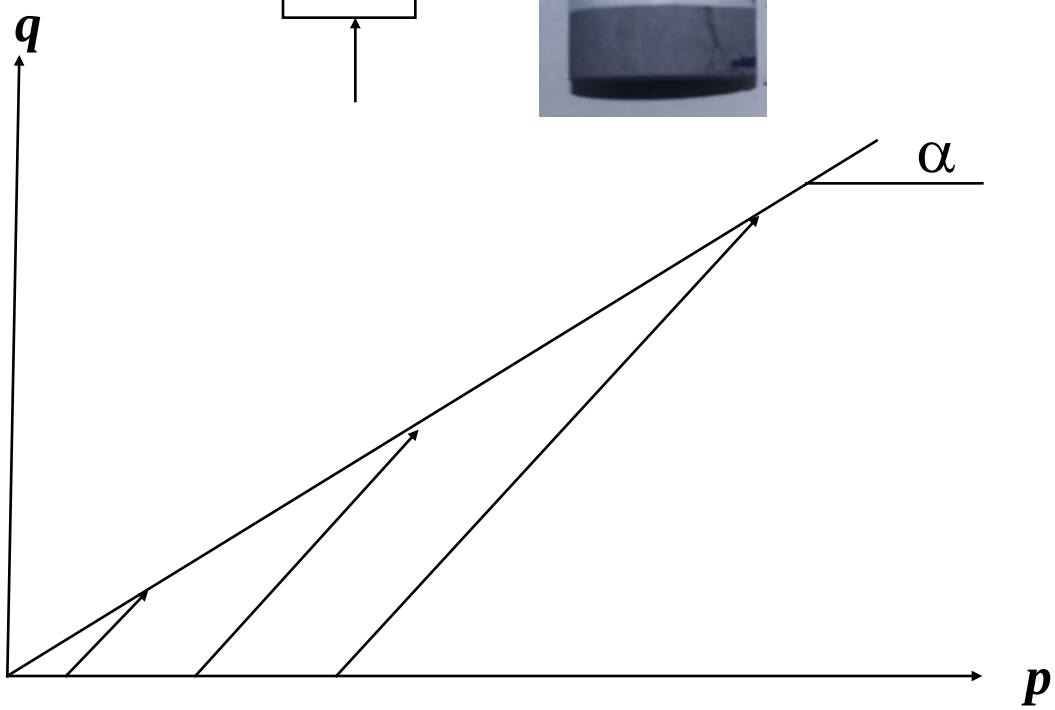




$\sigma_3 = 50kPa \quad \sigma_{1,f} = 150kPa$

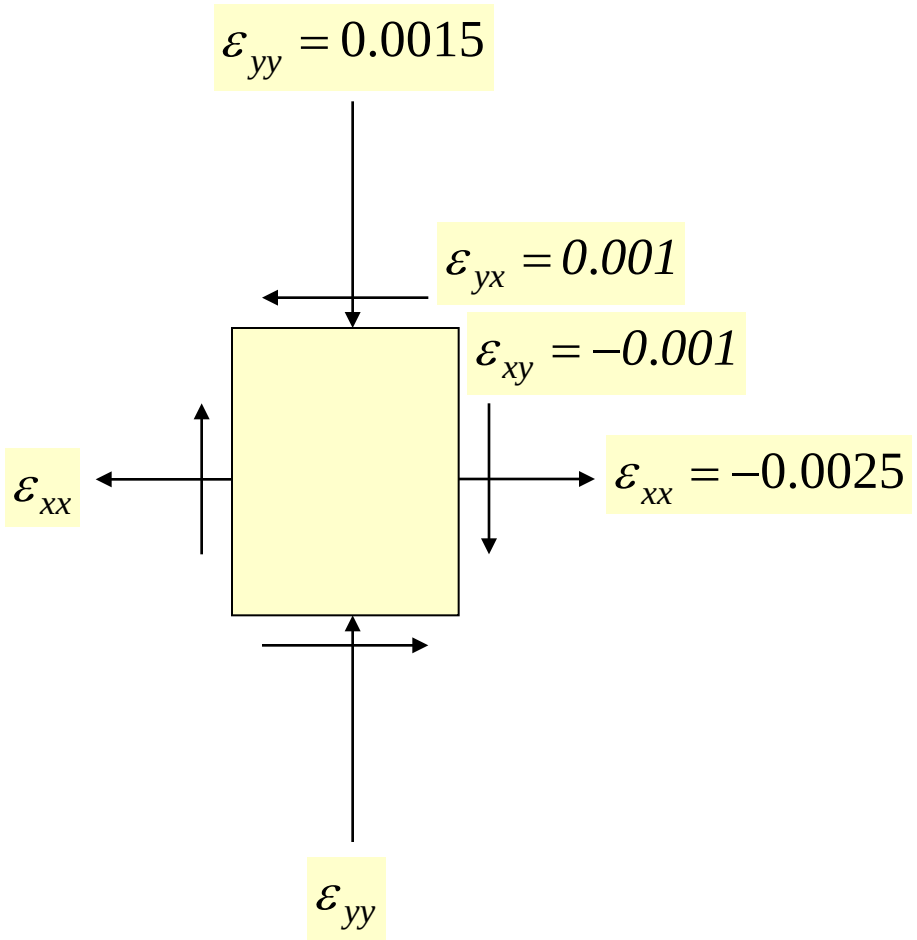
$\sigma_3 = 150kPa \quad \sigma_{1,f} = 450kPa$

$\sigma_3 = 250kPa \quad \sigma_{1,f} = 750kPa$



Find:
Friction angle and
orientation of failure surface

HW6



1. Plot Mohr's circle for strains for this state.
2. Find the magnitudes and directions of the principal strains from the circle.
3. Find the maximum shear strain from the circle.