

Consider the states of plane stress A and B (in xy -plane) shown below. For each state of stress:

- Calculate the σ_{ave} and R parameters.
- Use these two parameters to draw the in-plane Mohr's circle for the state of stress.
- Add the two out-of-plane Mohr's circles to your drawings.
- What are the two principal components of stress and the magnitude of the maximum in-plane shear stress?
- What is the absolute maximum shear stress for this state of stress?

