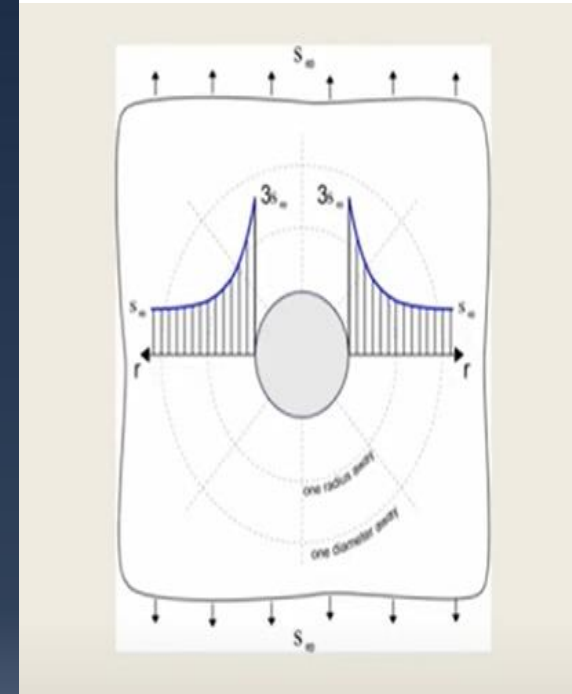
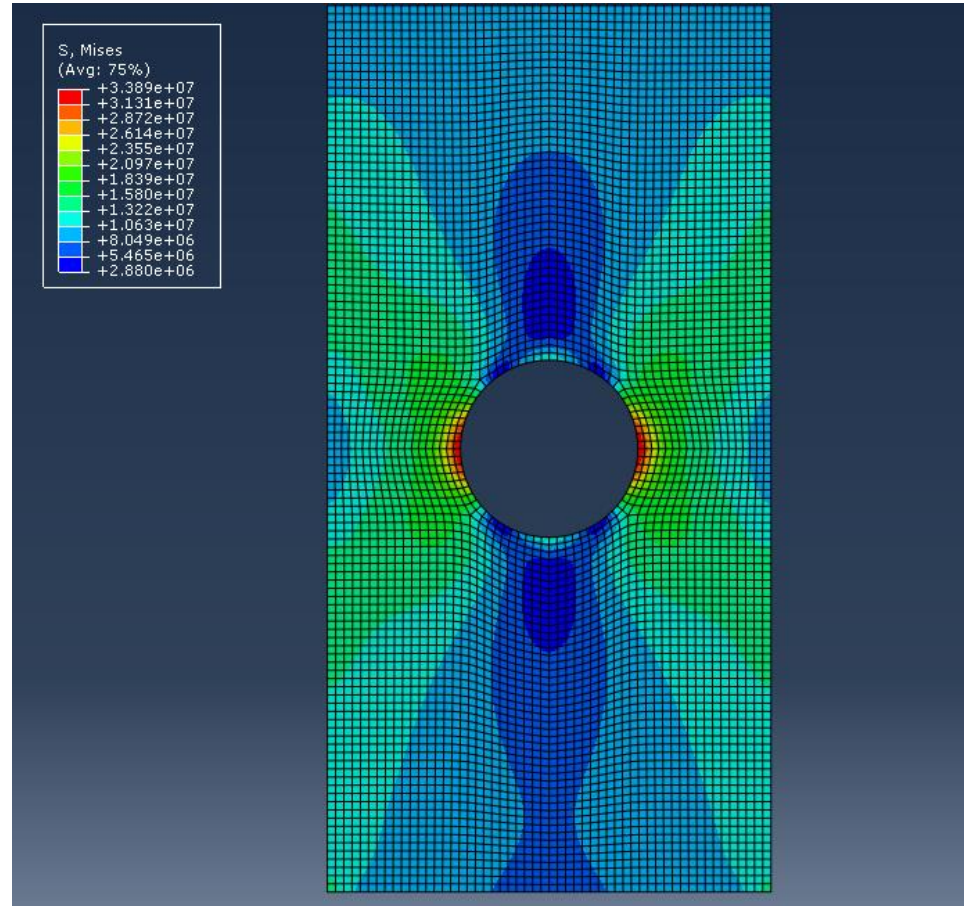
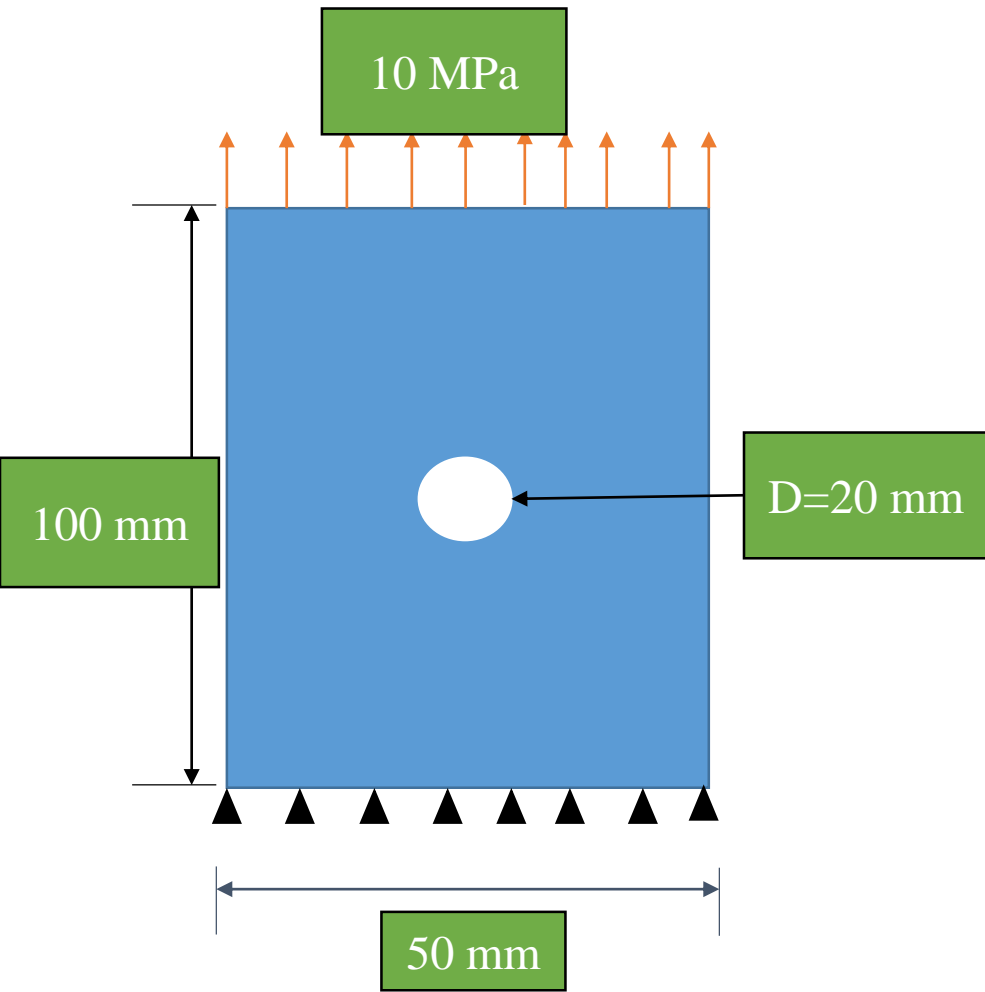


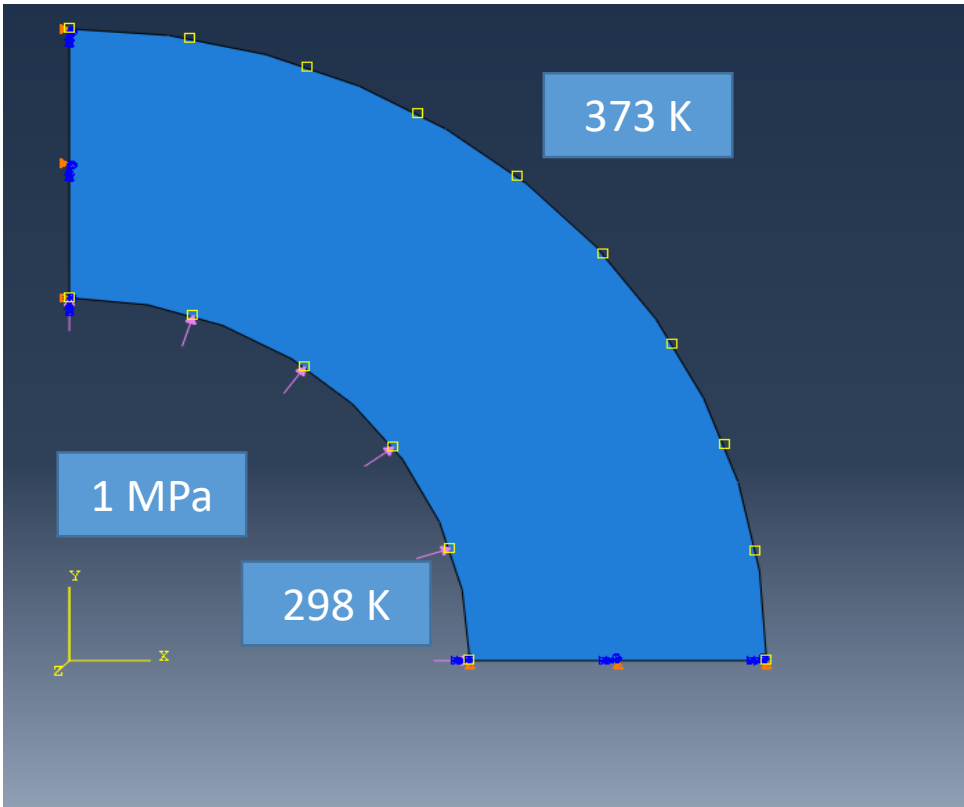
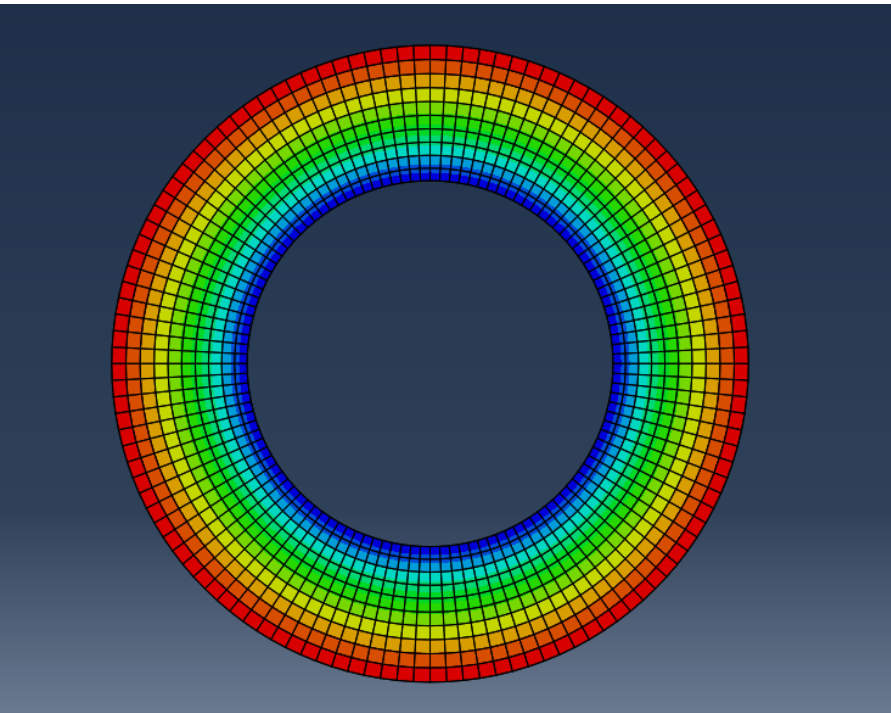
Stress Concentration in a thin plate with a center hole



Young's modulus of Steel = 200 GPa
Poisson's ratio of Steel = 0.3

Stress analysis of a cylinder subjected to thermo-mechanical load

The inner radius of the cylinder 1 m and outer radius 2 m



Materials	E (GPa)	ν	α ($^{\circ}\text{C}$)* 10^{-6}	K ($\text{W m}^{-1} \text{K}^{-1}$)
Aluminium 1050A-H9 (layer 1)	72	0.33	24	234