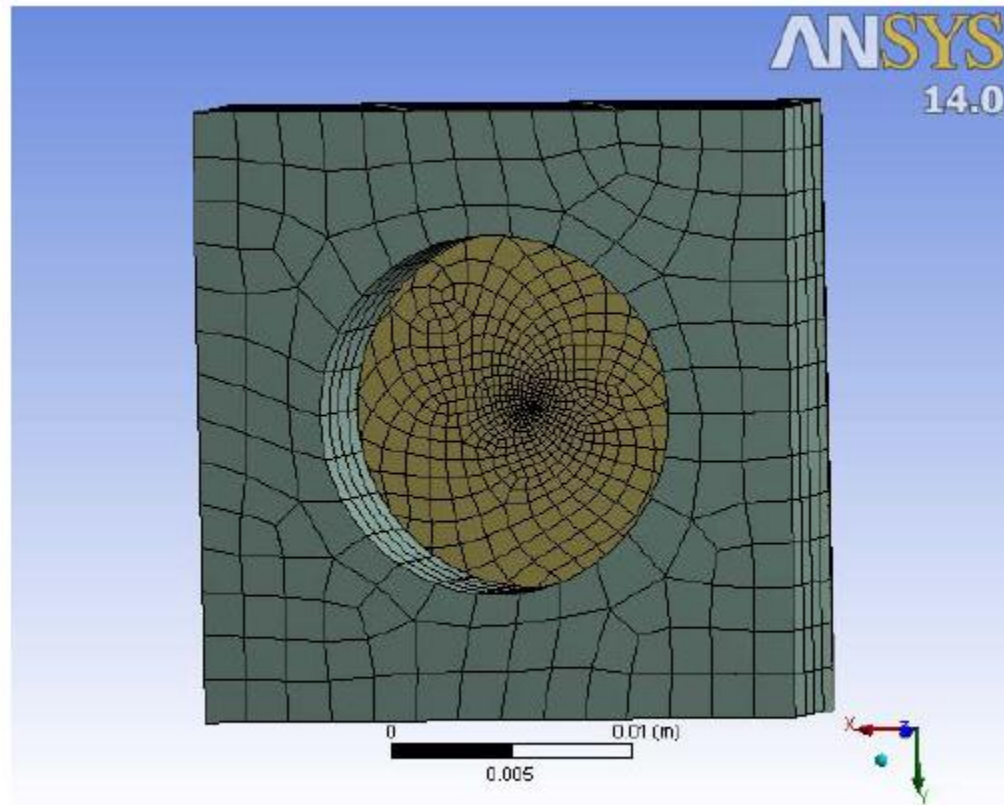


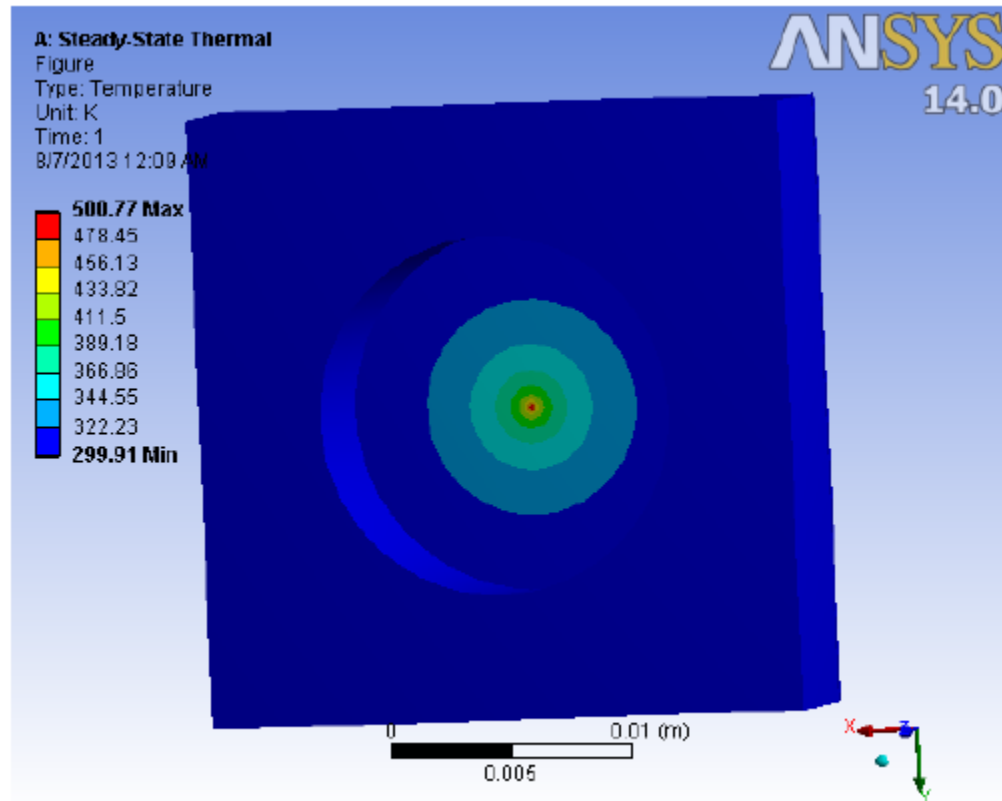
# Beam Heating in Cu Raditor

- For 100 micro Amps on 0.1 mm Cu radiator
  - 10 watts
- For 0.20 mm beam spot power density is  $3.2 \times 10^{12} \text{ W/m}^2$
- For 100 micro Amps on 0.02 mm Cu radiator
  - 2 W
- Material Cu C10100 (99.99% Copper)

Mesh for thermal model 0.2mm beam spot



## Thermal analysis 0.2mm beam spot



Edges held at 300K. Max temp on foil is 500K