MOOSE Project Part 3

0.5 cm

- 1-D problem, set up in 2D-RZ
- Given a uniform heat generation rate of LHR = 175 W/cm, what are the stresses due to thermal expansion in the fuel?
- Will need tensor mechanics and heat conduction

- 1) Assume a constant fuel surface temperature and constant thermal conductivity
- 2) Assume a constant fuel surface temperature but temperature dependent thermal conductivity

1 cm

Fuel