NE 591 Fuel Performance MOOSE project grading

Files: SS: input, output, ppt, TR: input, output, ppt

Khadija

Has all submission files: yes

PPT rating: very good. Good comparison to analytical. Contains all results requested.

SS: runs, looks good, get correct centerline T

TR: graph of centerline vs time, peak @ 700K, stabilize to 638 K

Notes: Everything looks good and is what I asked for. subdomains, heat conduction material, heat source kernel w/ fxn, heat conduction kernel, correct BCs, all good.

Grade: 100

Vedant

Has all submission files: yes

PPT rating: looks pretty good. It is showing in slide 9 and 10 you were plotting along the diagonal line, not at any point in space, and not exactly as a function of R.

SS: input file does not run. Variables not matching, some temp, some temperature. Wrong k for gap, would produce results that don’t match figures.

TR: input file does not run. Using ADGenericConstantMaterial instead of GenericConstantMaterial.

Notes: results presented don’t match input files. I asked for centerline temperature during the transient, which I didn’t see in the results. General problem setup correct and background correct.

Grade: 75

Yuqing

Has all submission files: yes

PPT rating: Good powerpoint. Good comparison to analytical solution, although slide explanation was a bit fuzzy. Contains all results requested.

SS: runs, looks good, get correct centerline T

TR: input file does not run for me. Was able to get it to run by changing ADGenericConstantMaterial to GenericConstantMaterial, and then results matched your PPT.

Notes: subdomains, heat conduction material, heat source kernel w/ fxn, heat conduction kernel, correct BCs, all good

Grade: 90