

CEE 618 – Scientific Parallel Computing: Homework #9

Name: _____

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1. In the cavity example of OpenFOAM, decrease both the simulation duration (endTime) and time step (deltaT) to have more time frames:

$$\text{the number of frames} = \text{endTime} / \text{deltaT}$$

Generate paraview movie, upload your movie file on your web (e.g. one of your own web site, youtube, facebook, and so forth) site, and indicate the web site for me to watch.

2. (Optional, if we fully cover mesh generation) Increase the cavity height five times for OpenFOAM simulation and visualize your results using Paraview.
3. Keep working on your final project proposal and polish it.