Assignment 1

- Do the solver tutorials in the UserGuide and the ProgrammersGuide, and make an interesting modification to one of them.
- To prove this, give me slides with one or two figures per case and slide, using different ways of visualizing the results for each case (try to be unique), from each of the following cases:

```
icoFoam: cavity, cavityClipped, cavityFine, cavityGrade, cavityHighRe
solidDisplacementFoam: plateHole
interFoam/laminar: damBreak, damBreakFine
potentialFoam: cylinder
simpleFoam: pitzDaily
sonicFoam: forwardStep
sonicLiquidFoam: decompressionTank, decompressionTankFine
mhdFoam: hartmann
```

  Include a one(or two)-line description on each slide so that other people learn how to do similar visualizations.
- ALSO: Make an interesting modification of one of the above tutorials and present that modification with text and figures in some slides. Try to use some additional utility. Try to be unique!

Continued...

Assignment 1

- I will post your slides at the course homepage. Some of your contributions will be selected by quality - try to be one of them! If you for some reason do not want your name to appear on the Internet, don't include it in the slides or in your file names. On the other hand, if you do a good job it is always good to show that you were the one who did it. If your name is there you agree that I can put it on the Internet. This procedure goes for all your hand-ins throughout this course.
- Use the LaTeXtemplate on the course homepage. Pack a directory using:

```
tar czf directoryName.tgz directoryName
```

- Hand in according to date and instructions at the course homepage.