

Assignment 2

- Find and tell me where the object `runTime` is created, based on `icoFoam` and the `cavity` case. Use the `runTime` object to write out the output of all the public member functions that take no argument, give output that is writable, and is defined in `Time.H`, e.g.:

```
Info << "runTime.rootPath(): " << runTime.rootPath() << endl;
```

You should find a minimum of 11 such functions, but there are more – the more and more advanced, the higher grade (for master students). Include the source code in your hand-in.

- Implement a boundary condition that ramps the fixed value on a patch. Hand in the code, a case, and a gif movie that proves that it works. Use descriptions at the course homepage.
- Figure out a simpler way to do the same thing as the boundary condition you have just implemented (hint: search!). Tell me how.

Put all requested files in a directory (e.g. `assignment2_NN`, where `NN` is your initials), and pack it with:

```
tar czf assignment2_NN.tgz assignment2_NN
```

Then hand it in according to the instructions at the course homepage.