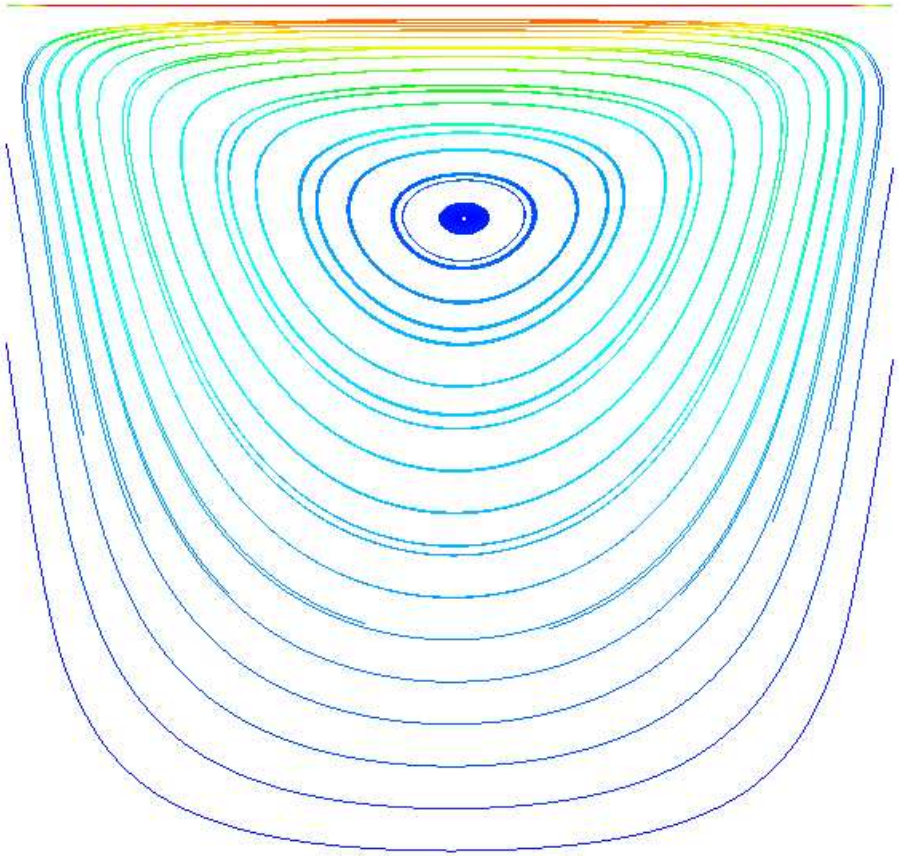
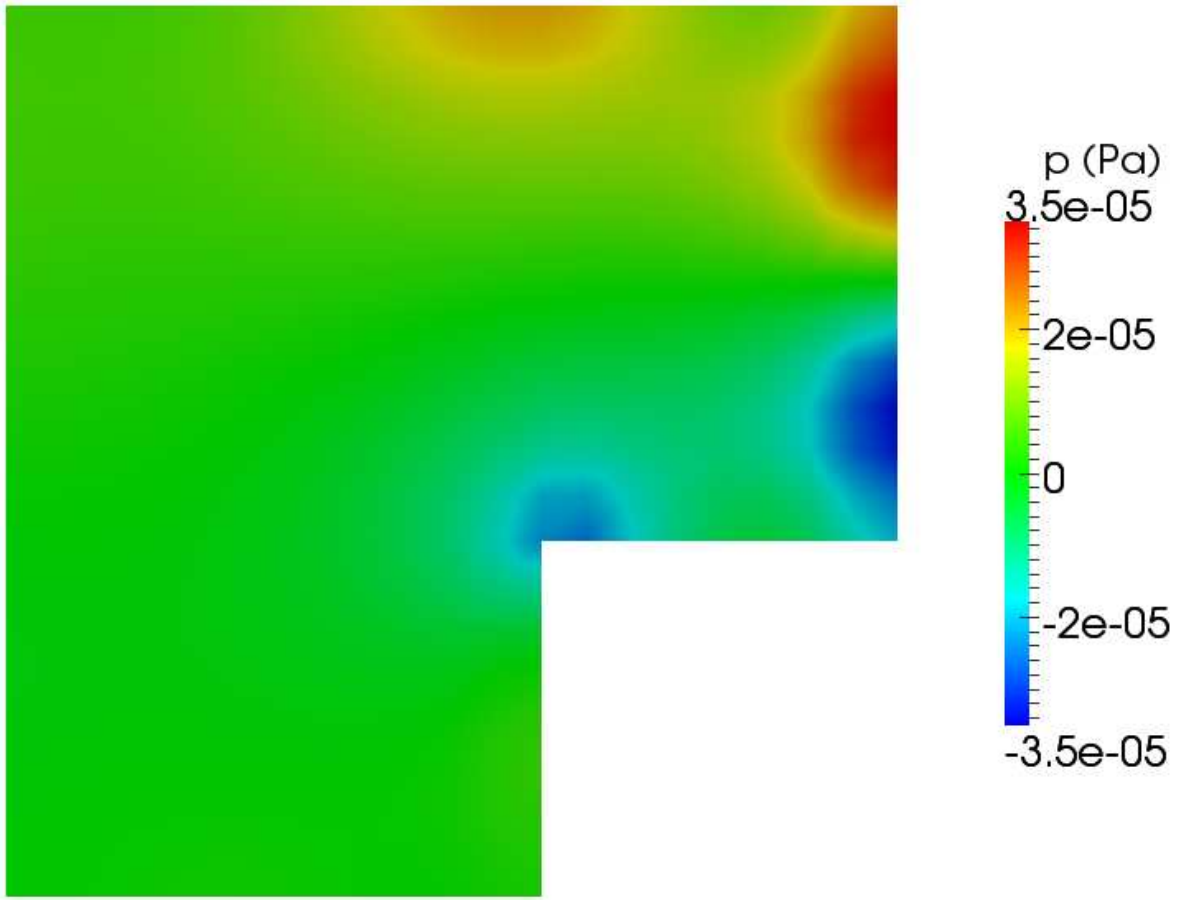
Cavity



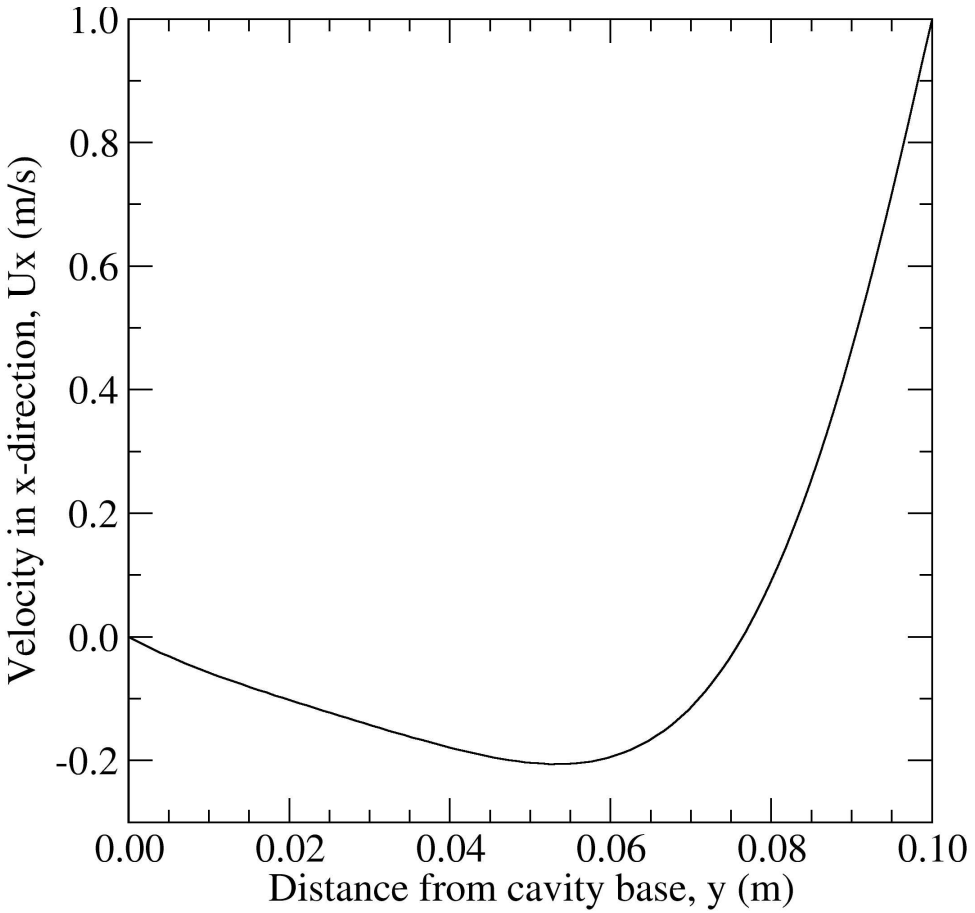
Stream Tracer filter is used for the velocity field.
Note: Seed Type (Line Source).

Cavity Clipped



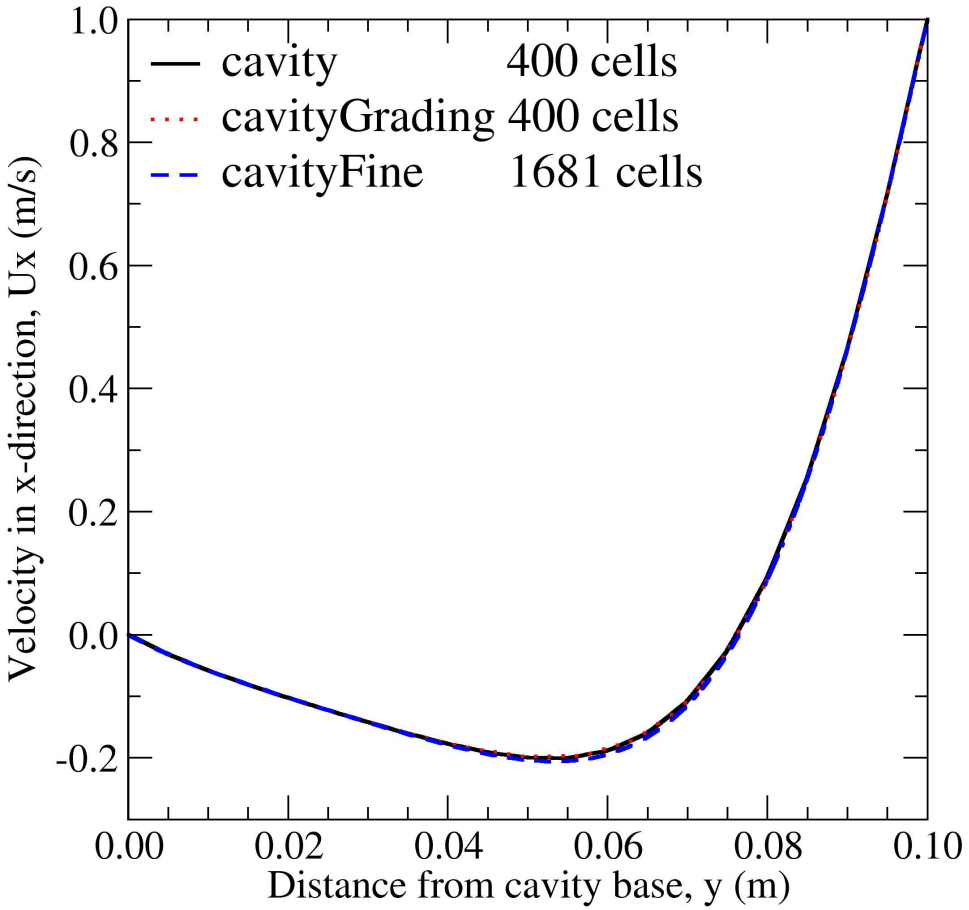
Surface is colored by Pressure field.

Cavity Fine



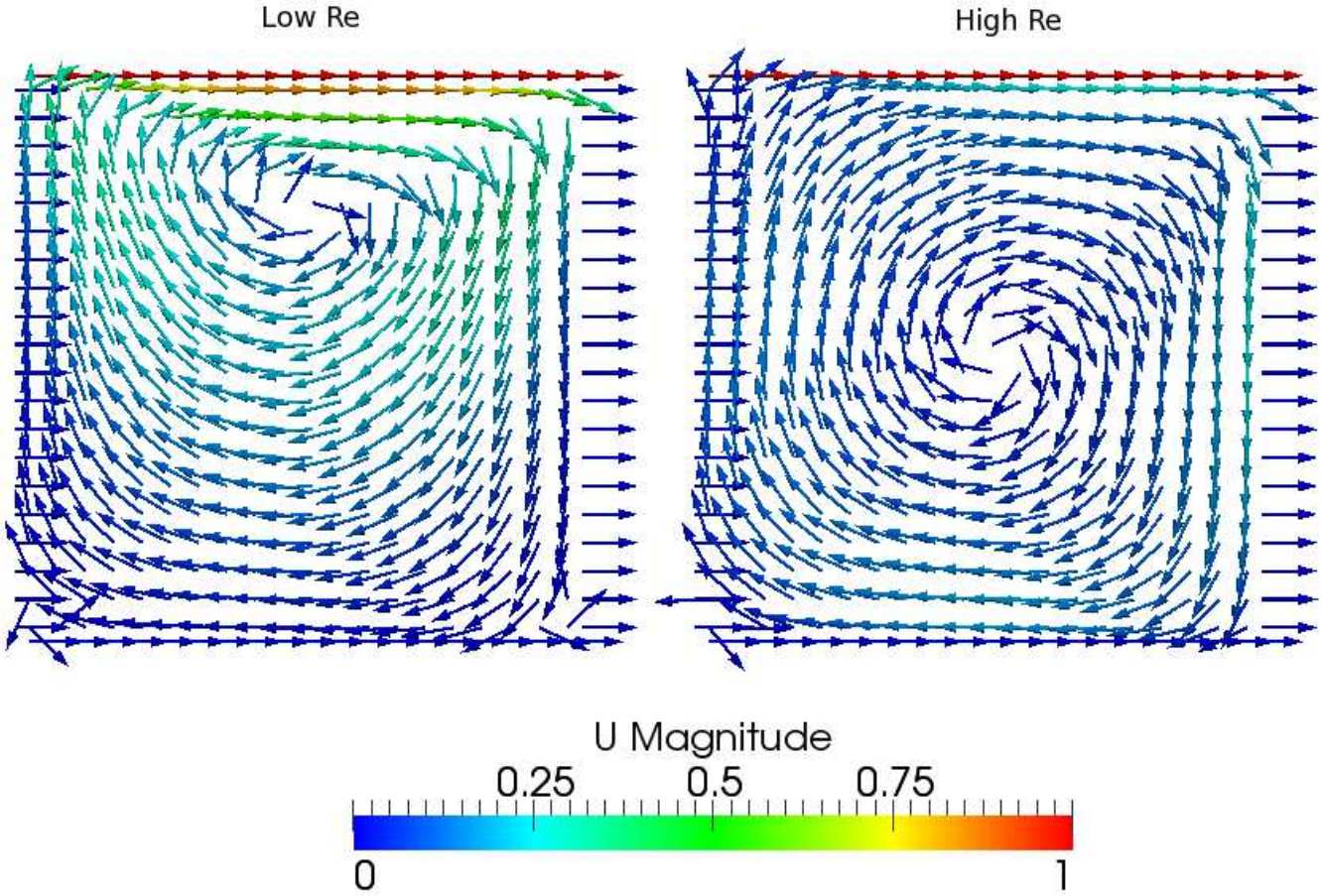
The Ux is calculated by foamCalc;
The Ux is sampled along a vertical line in the center of the domain.

Cavity Grade



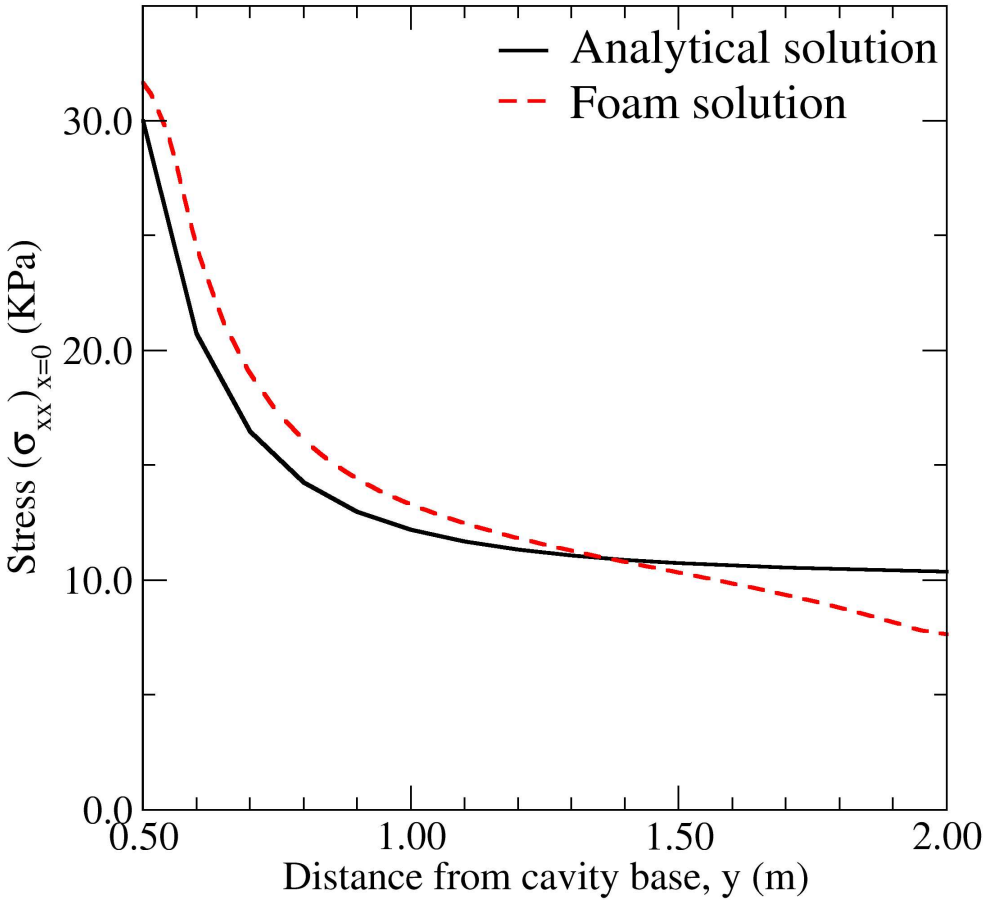
The Ux for different cell size and cell grading are shown.
The graph is plotted using xmgrace.

Cavity High Re



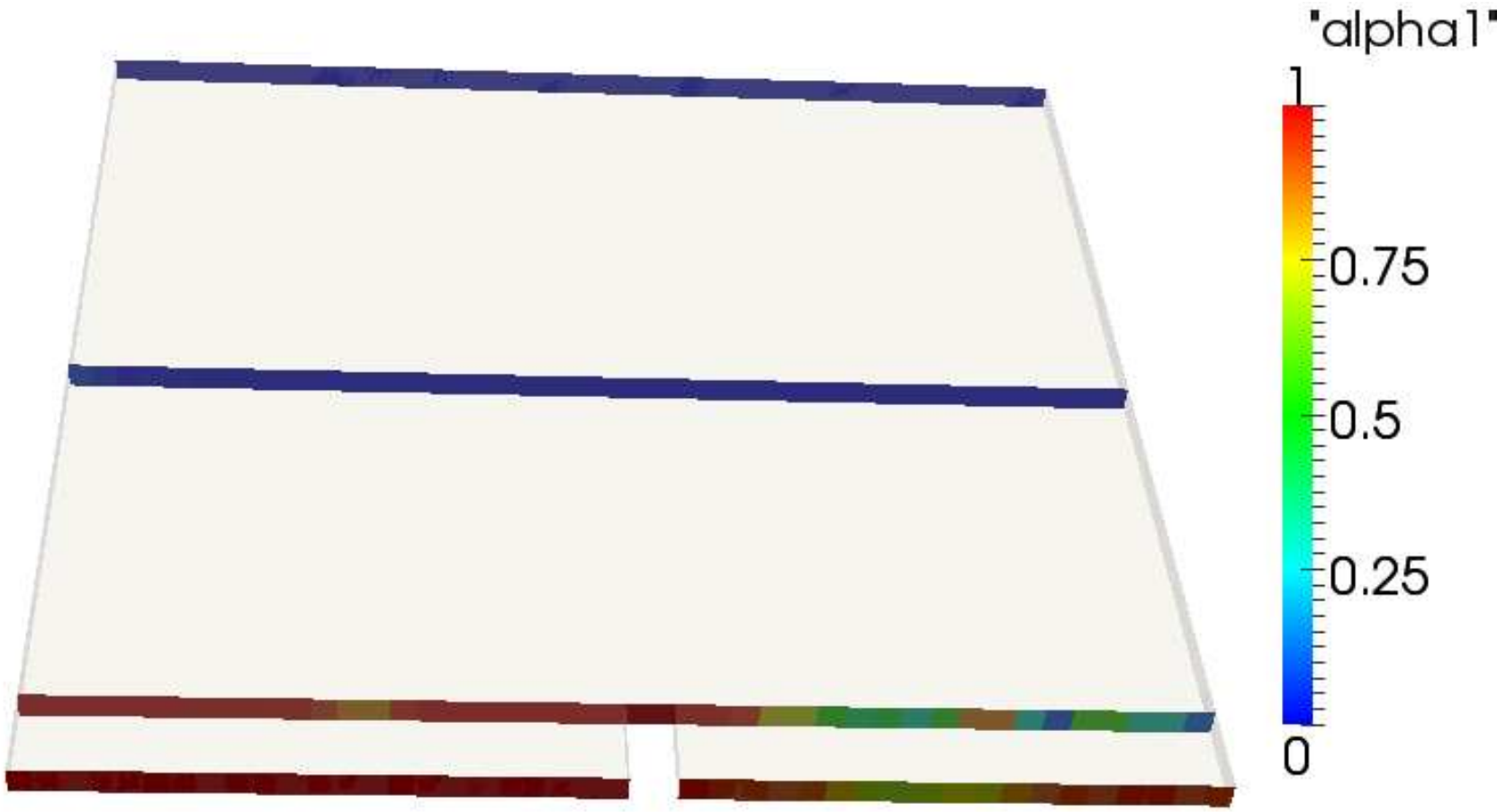
Velocity field of two cases are shown in the figure.
"touch" command is used to gennerate the paraFoam file for cavityHighRe case.

Plate Hole



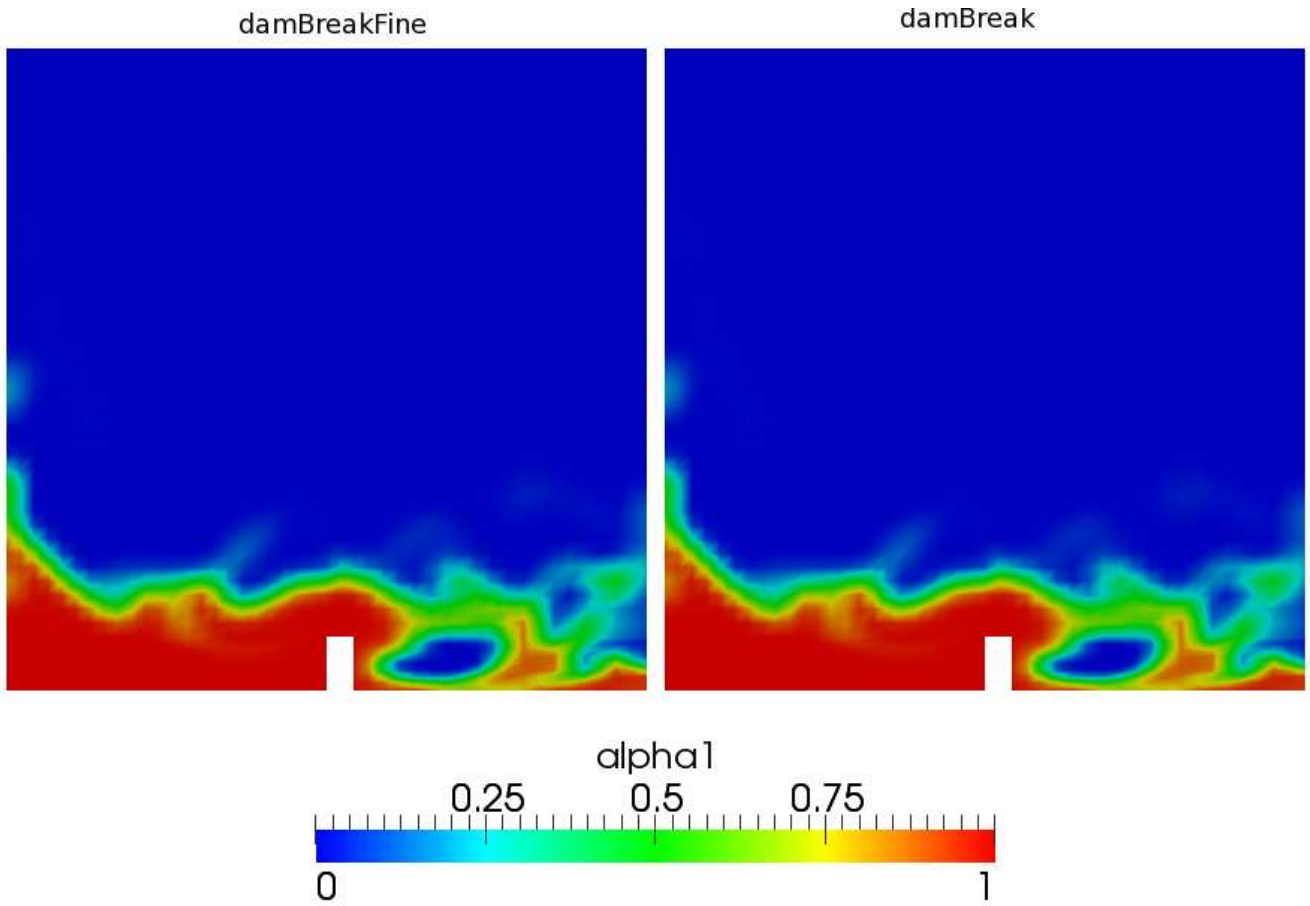
Sigma_xx is drawn along two points (0,0.5,0.25) and (0,2.0,0.25).
Sample utility is used to abstract the results.

Dam Break



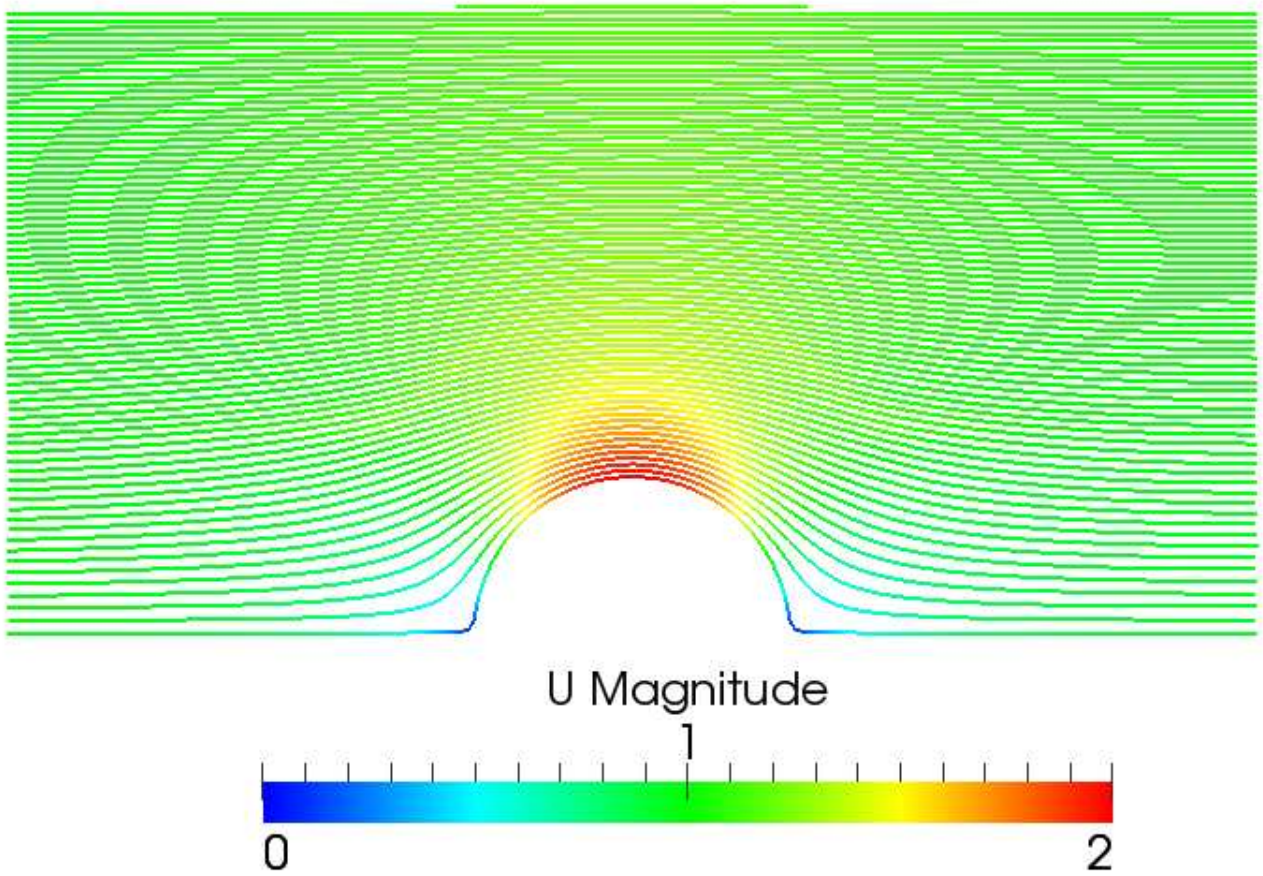
Sample utility is used to abstract alpha1 distribution on different surfaces.
Opacity 0.2 is chosen to show the domain.

Dam Break Fine



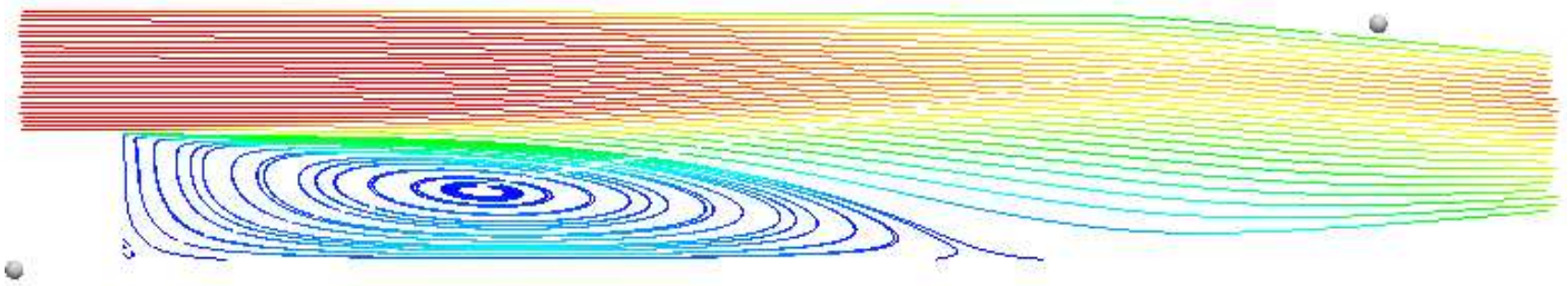
Surface is colored by alpha1 field.
"touch" command is used to generate damBreak.OpenFOAM file.

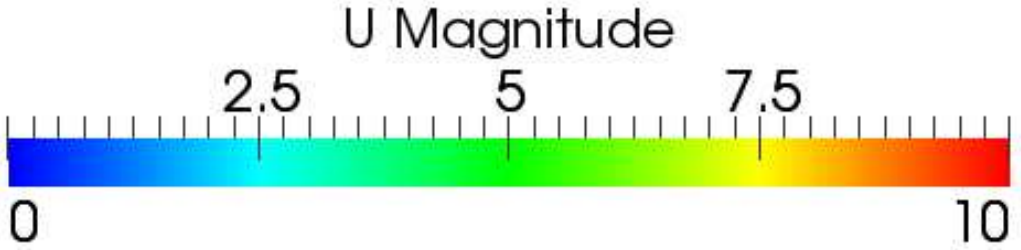
Cylinder



Stream Tracer filter is used for the velocity field.
Stream line width are bigger than normal.

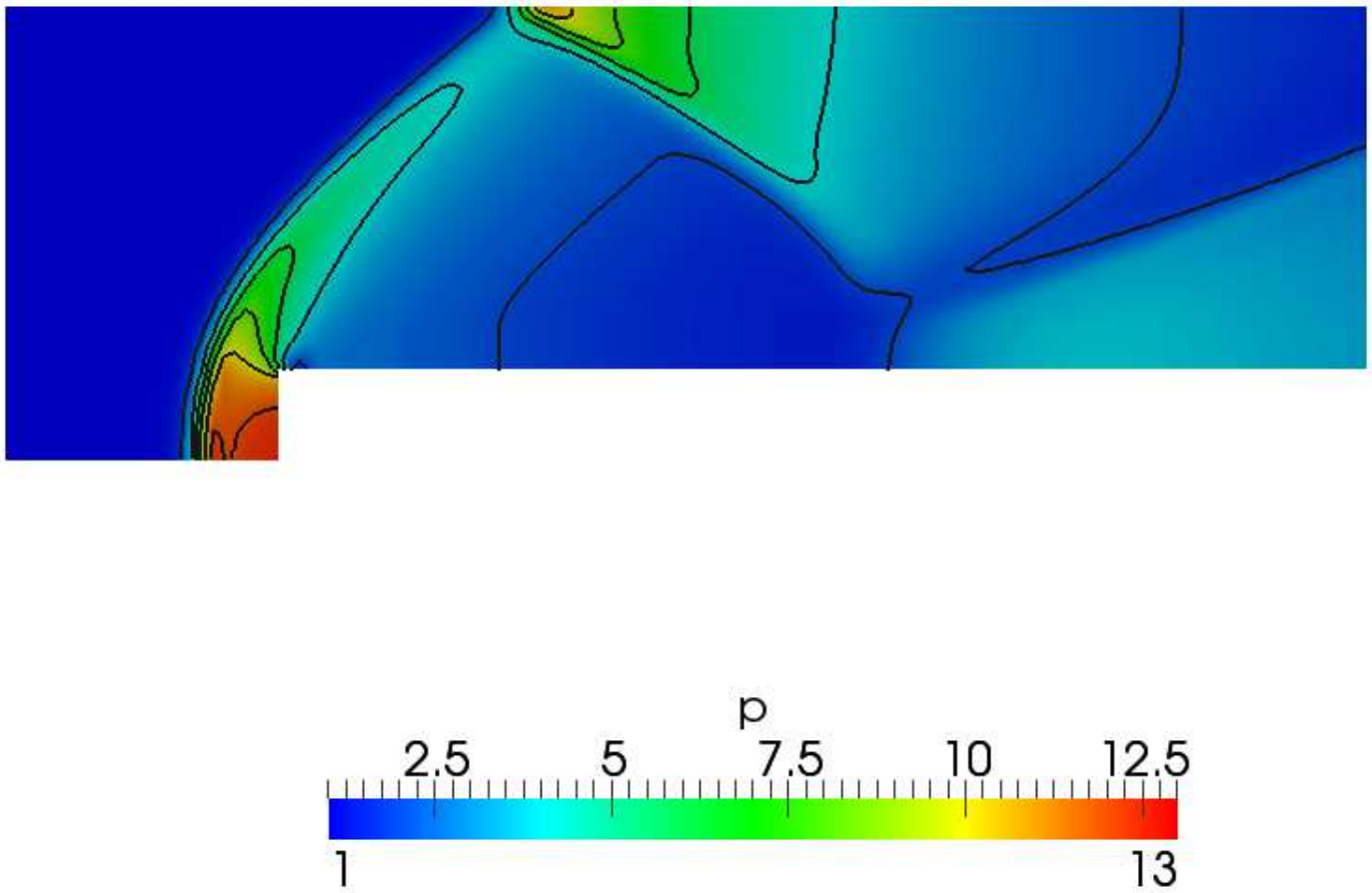
Pitz Daily





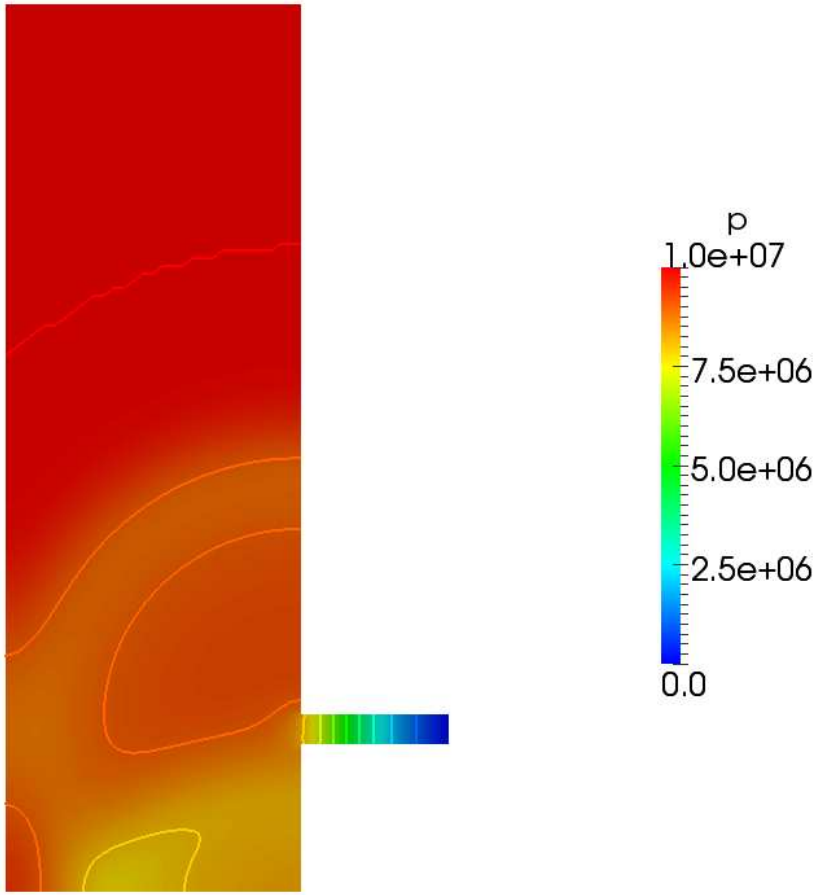
Stream Tracer is used to generate stream line.
Two Points are chosen by cursor.

Forward Step



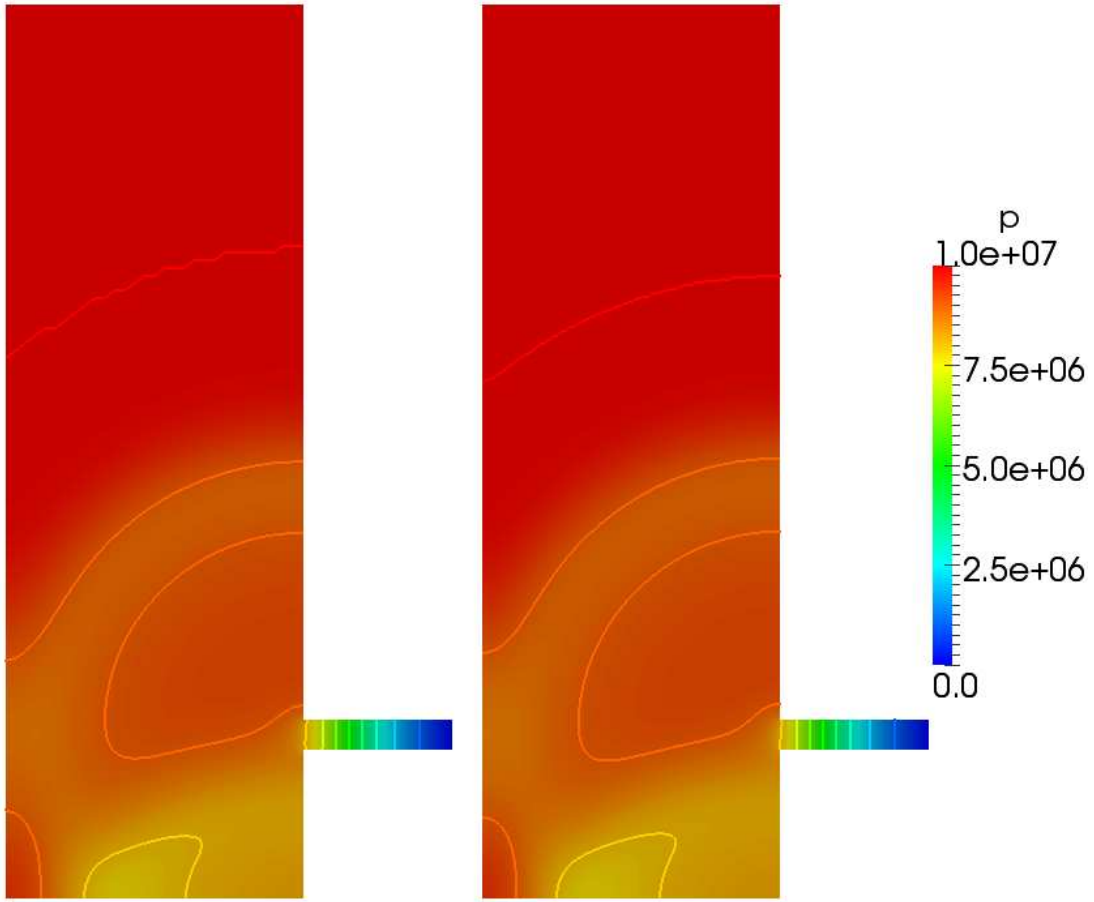

```
Contour is used to generate the contour line in the domain.
The color of contour lines are chosen to be black.
```

Decompression Tank



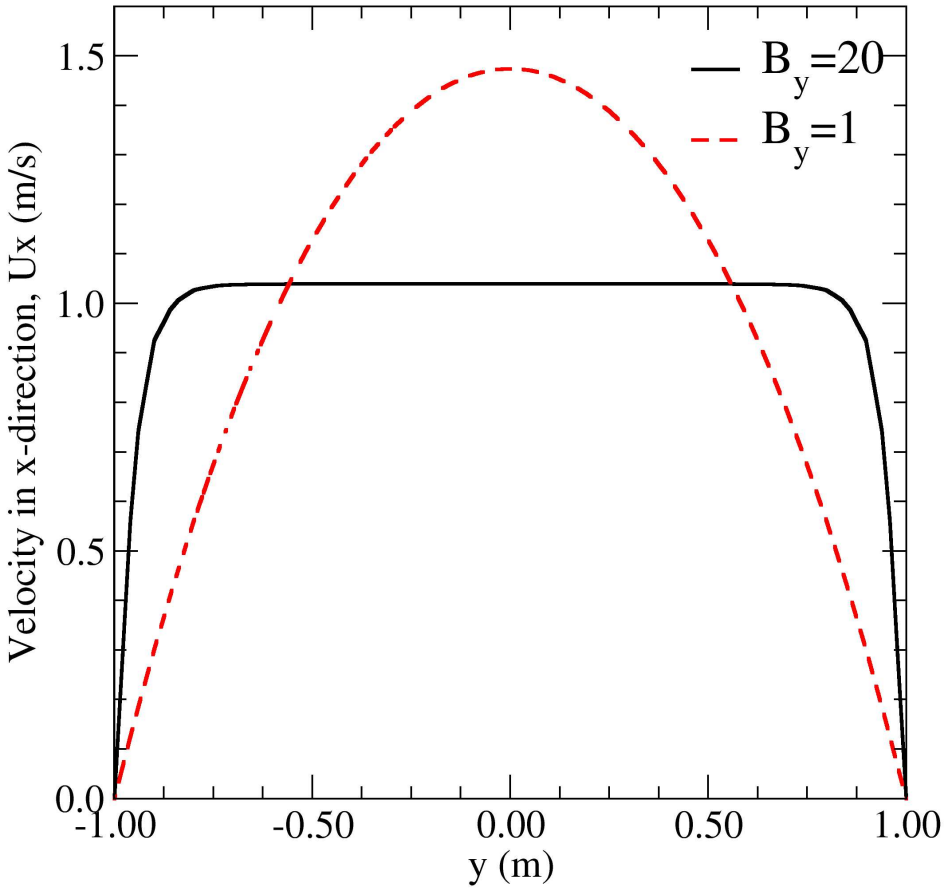
Contour is used to generate the contour line in the domain.
The color of contour lines are varied according to pressure.

Decompression Tank Fine



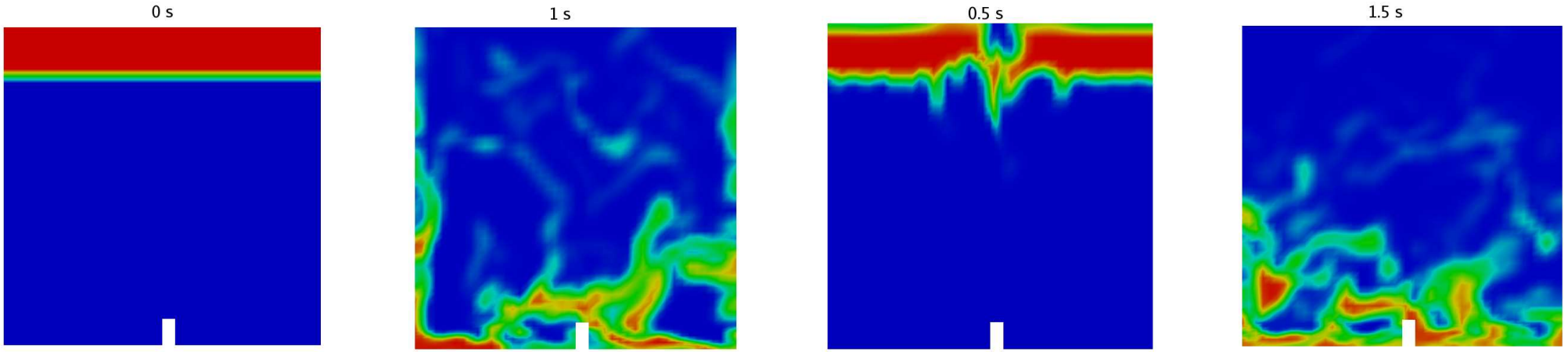
Surface is colored by alpha1 field.
"touch" command is used to generate decompressionTankFine.OpenFoam.

Hartmann



Sample utility is used to abstract Ux along a center line for two cases. The figure is drawn by xmgrace.

Dam Break Mine



Liquid falls down from the top of a tank
when the membrace suddenly breaks down.