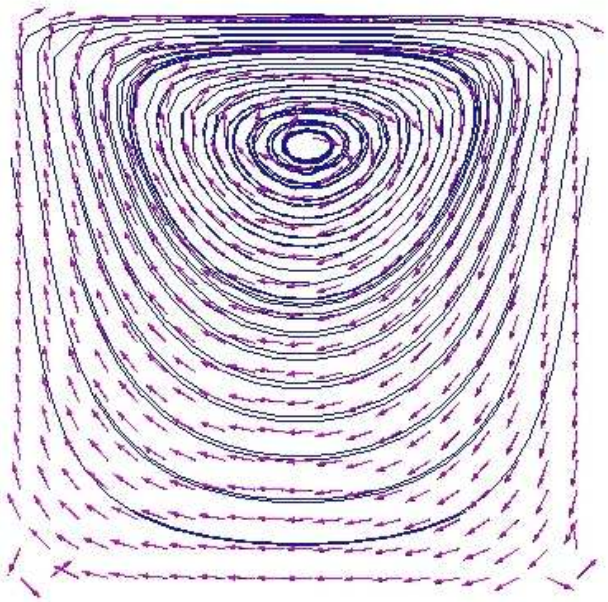
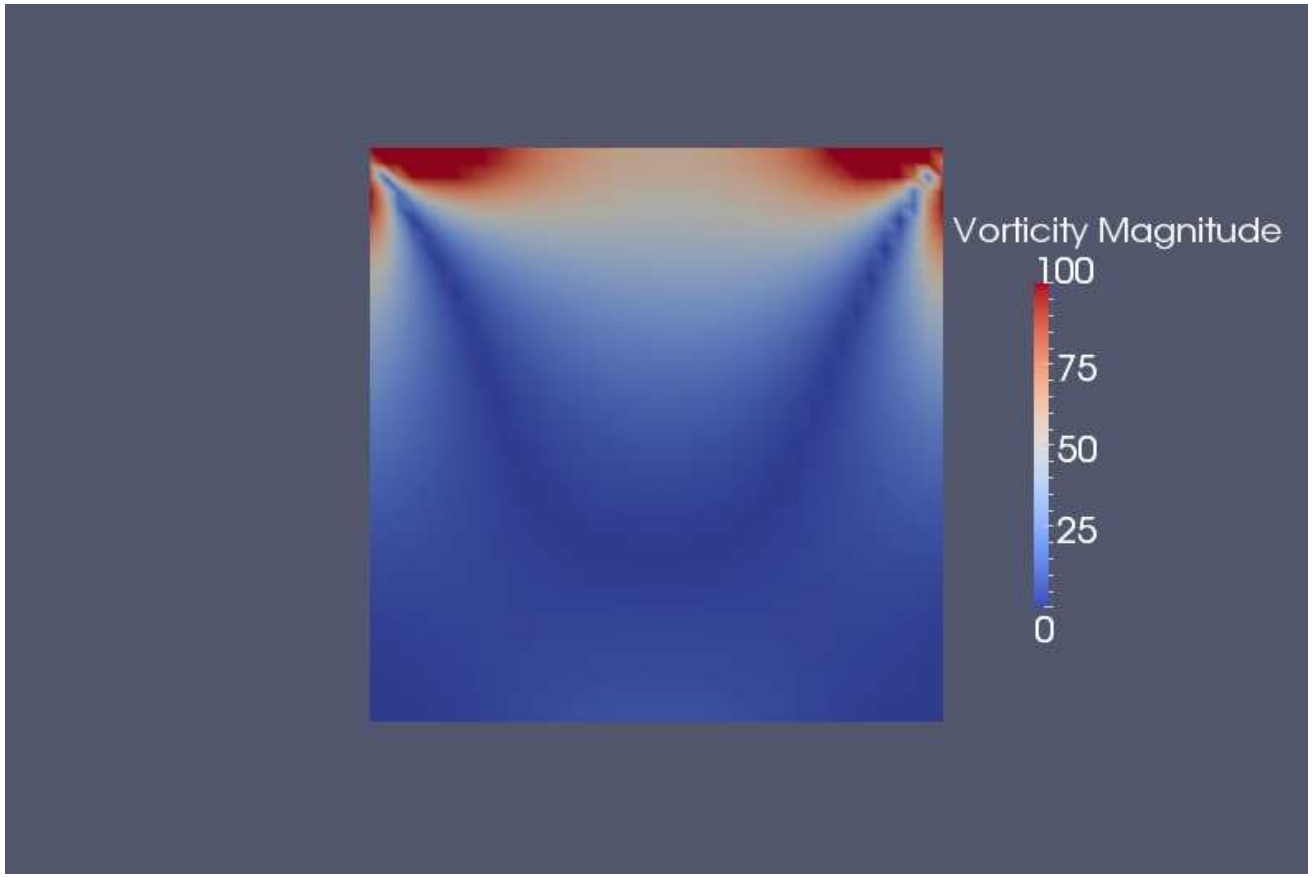
Cavity Case



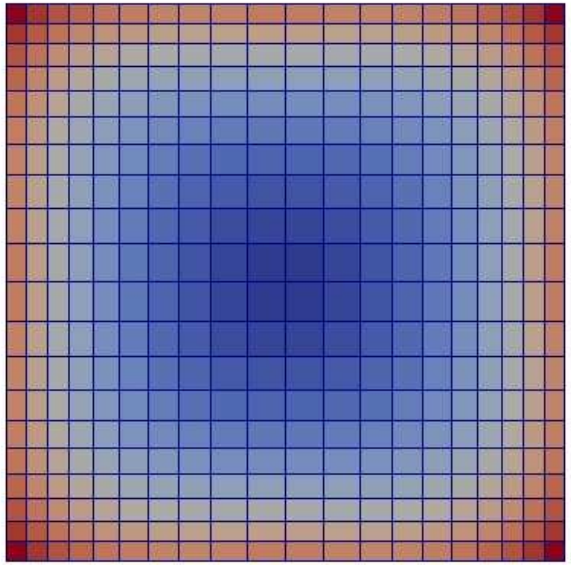
- Stream traces shown with filters/StreamTracer
- Velocity vectors calculated according to the tutorial, colored by solid color

CavityFine Case



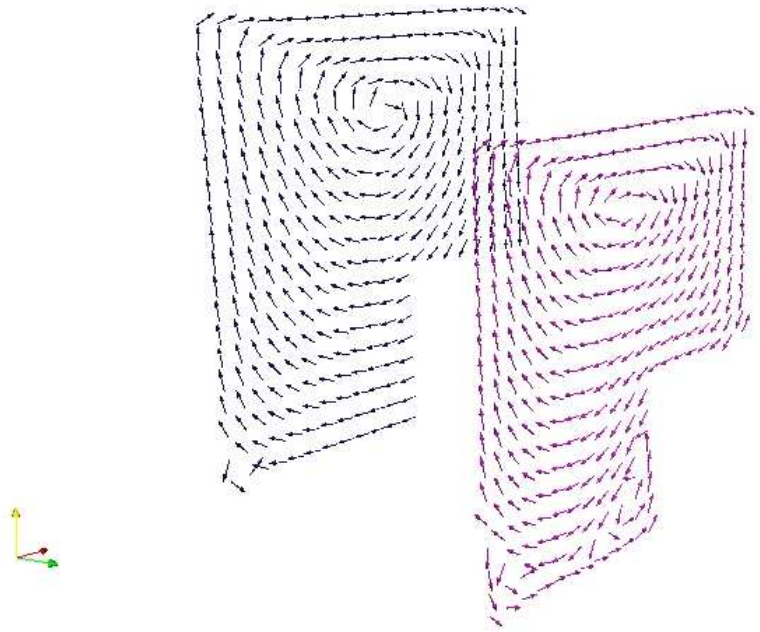
- Vorticity calculated from filters/ComputeDerivatives, then filters/CellDatatoPointData

CavityGrading Case



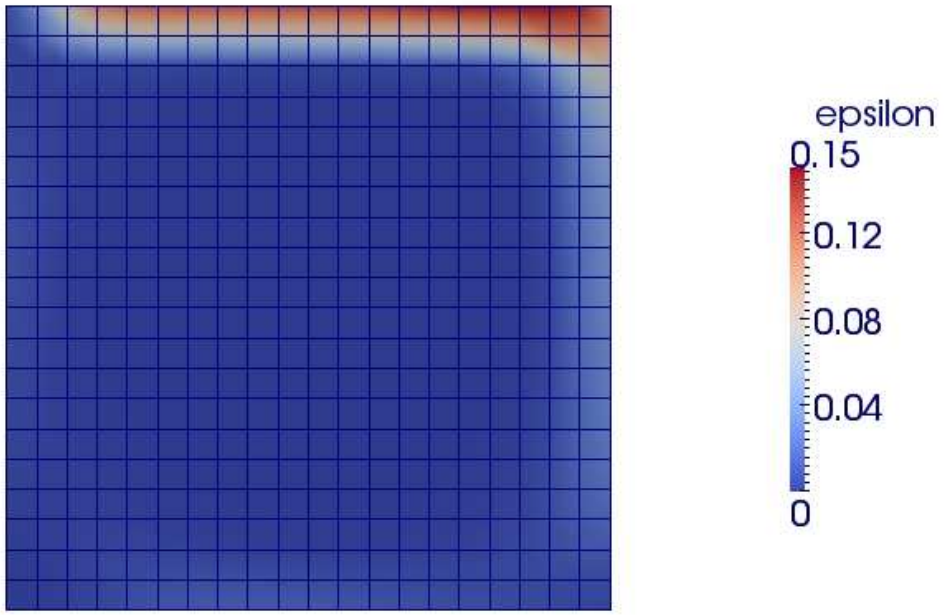
- Mesh qualty based on the area of the cells is first calculated with filters/MeshQuality,
- Then the point values are calculated from filters/CellDatatoPointData
- Surfaces with Edges is chosen in Display/style to show the actual cell faces

CavityClipped Case



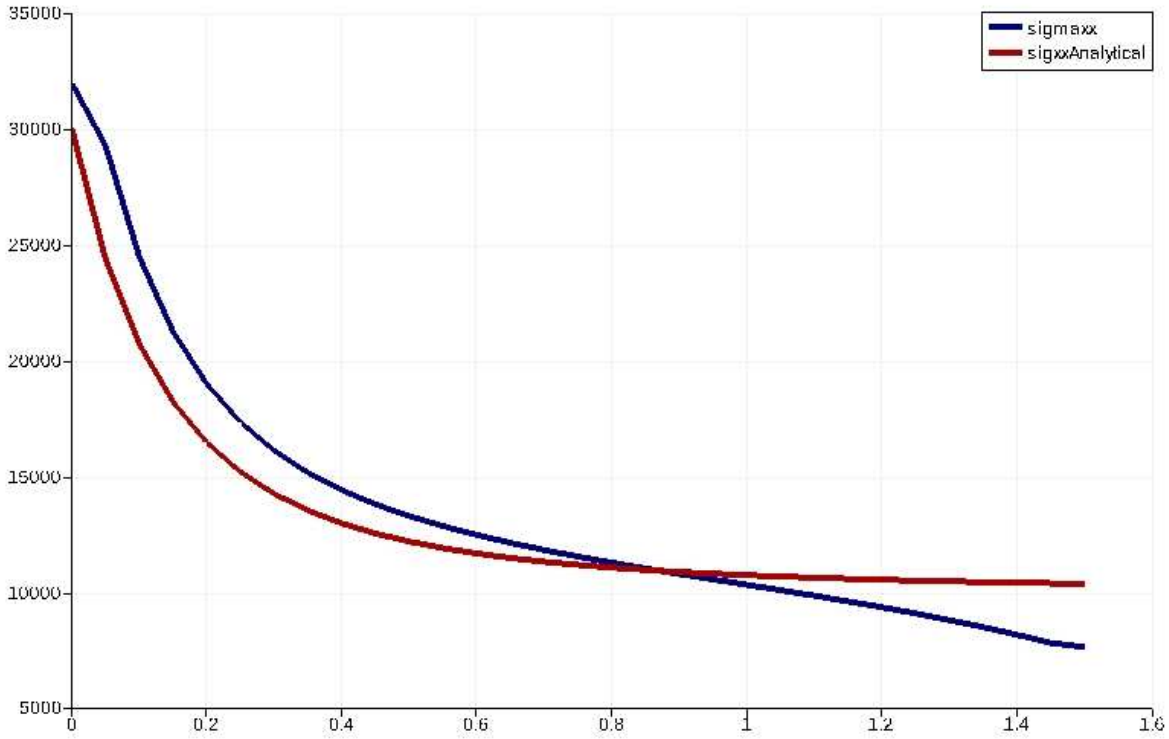
- Velocity vectors interpolated from cavity case for time 0.5 is shown in the back
- Velocity vectors for the real solution at the same time is shown in front
- This is to show how two plots which are at the same location can be sperated by moving one of them from display/transfprmation

CavityHighRe Case



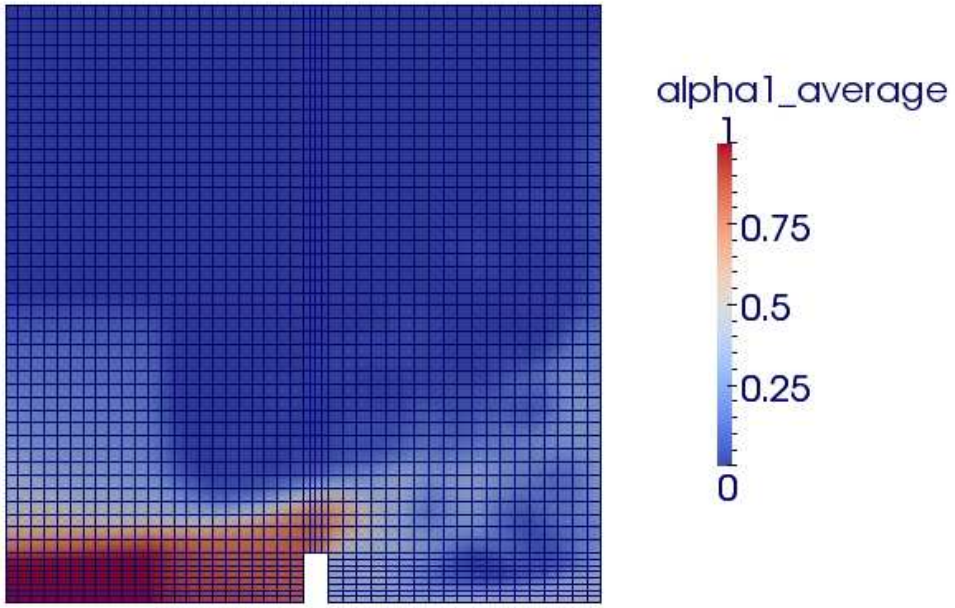
- Filled contours of ϵ

plateHole Case



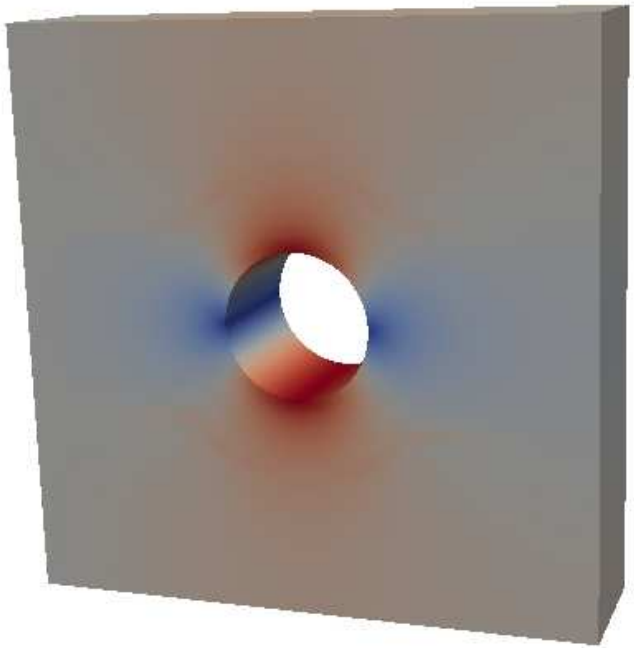
- Comparison of simulated σ_{xx} with $\sigma_{xxAnalytical}$ using filter/PlotOverLine
- Components of simulated σ are calculated with foamCalc
- $\sigma_{xxAnalytical}$ is calculated from analytical solution using filter/calculator

damBreak Case



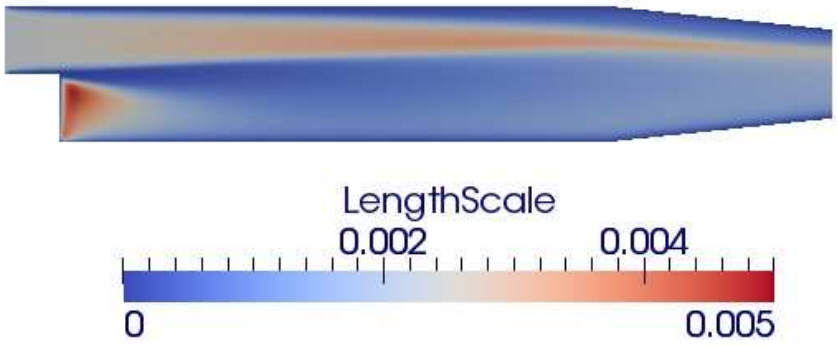
- Time-averaged α calculated with filters/TemporalStatistics

Cylinder Case



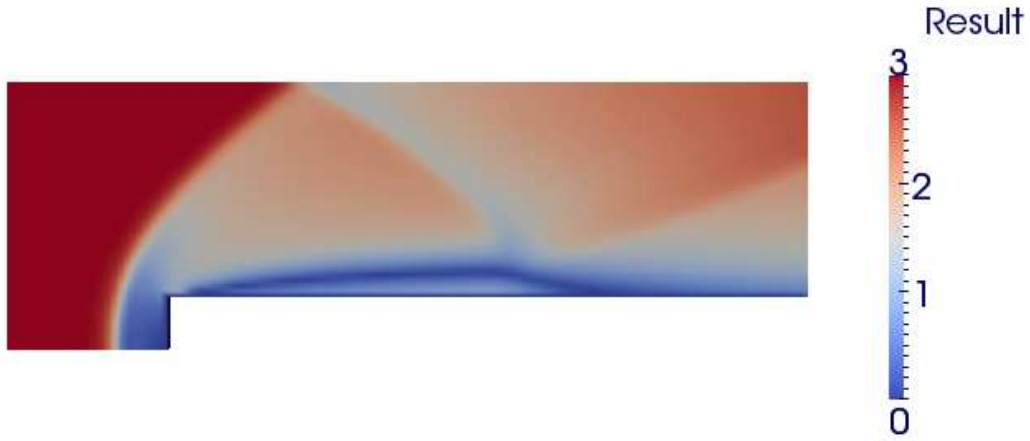
- Velocity Magnitude contours, the domain is mirrored to give the full domain

PitzDaily Case



- Values of turbulent length scale

Forward Facing Step Case



- Values of Mach number

Decompression Tank Case

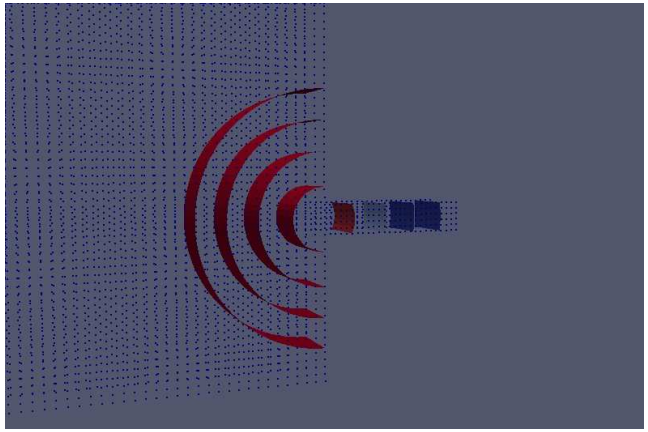


Figure 1: (1)

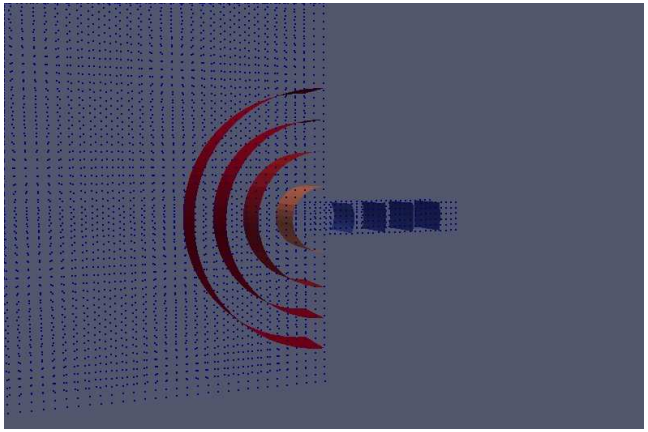


Figure 2: (2)

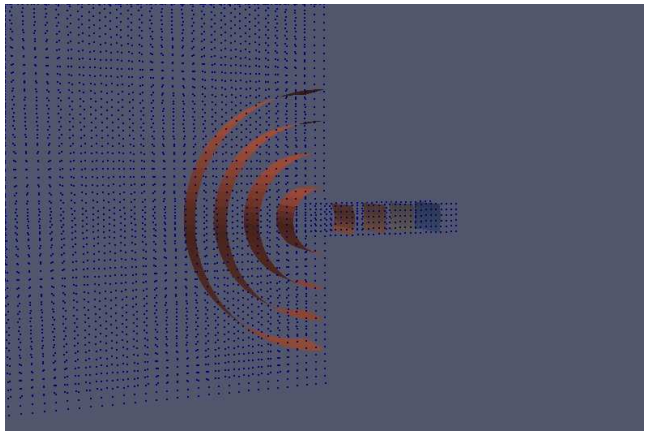


Figure 3: (3)

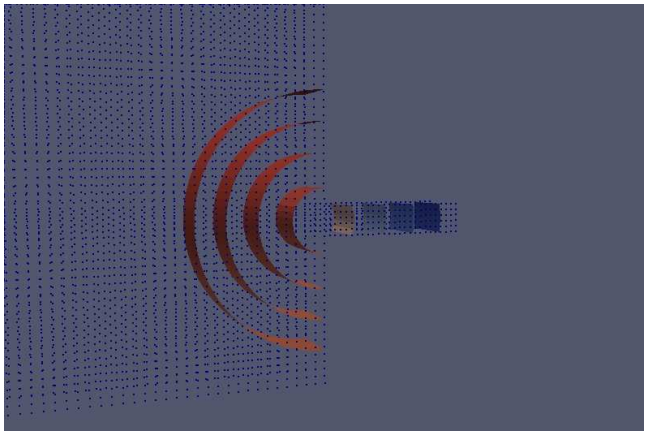
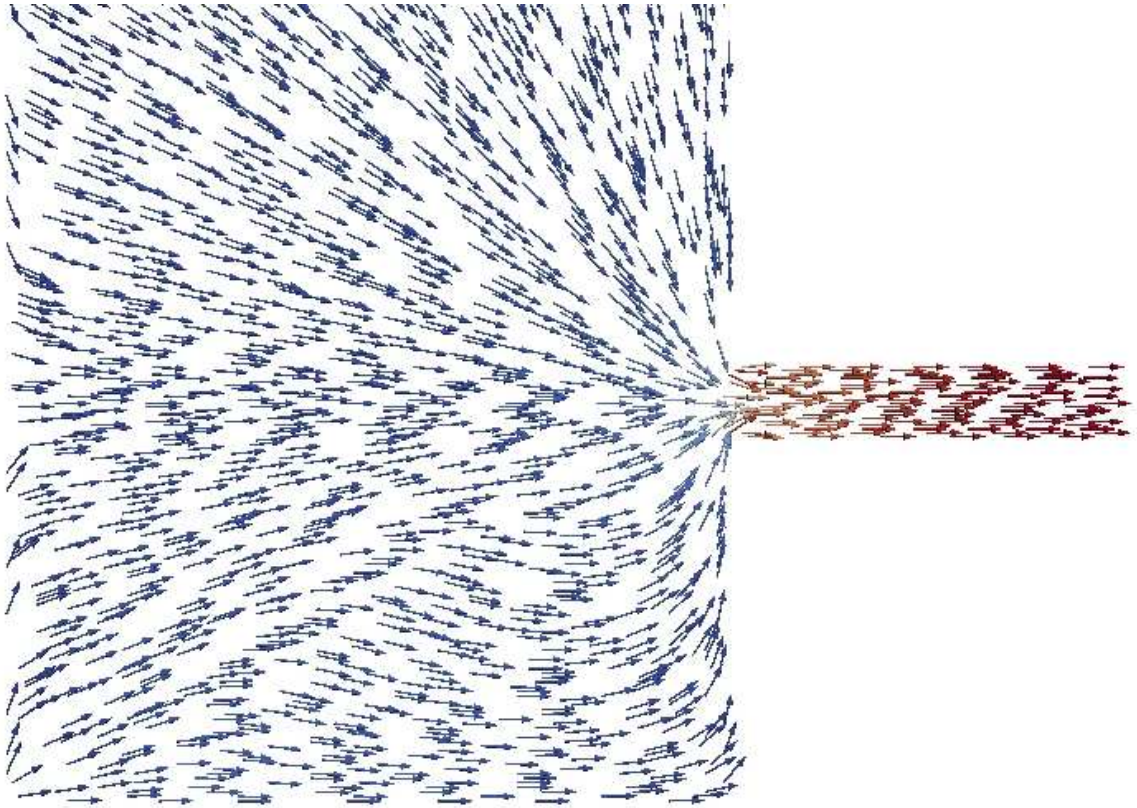


Figure 4: (4)

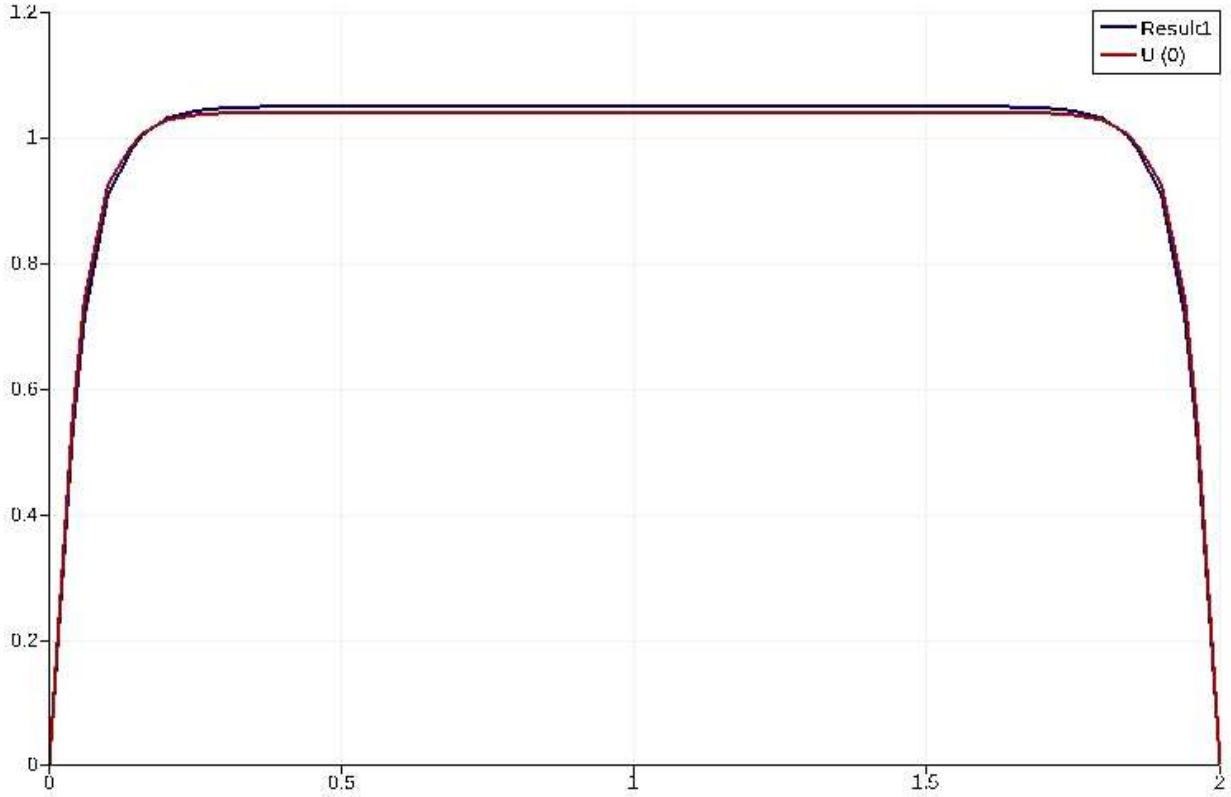
- Evolution of pressure waves at the outlet of the tank and the nozzle shown as concentric spherical slices

Decompression Tank Fine Case



- Velocity vectors

Hartmann Case



- Analytical axial velocity compared to CFD calculations for $B = 20$