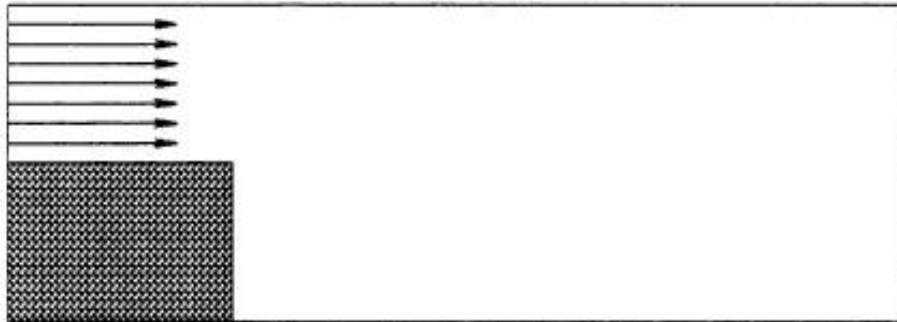


Simulation of Fluid Dynamics

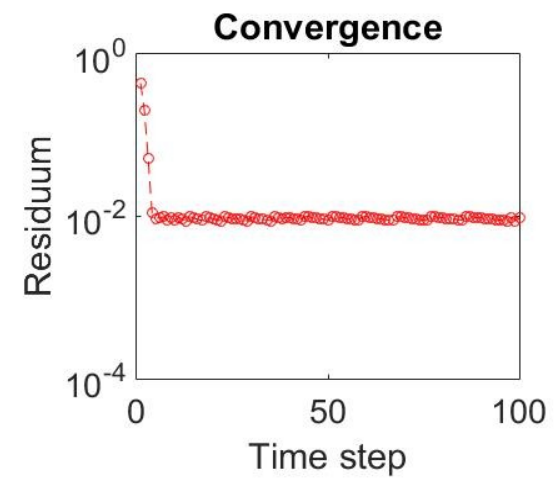
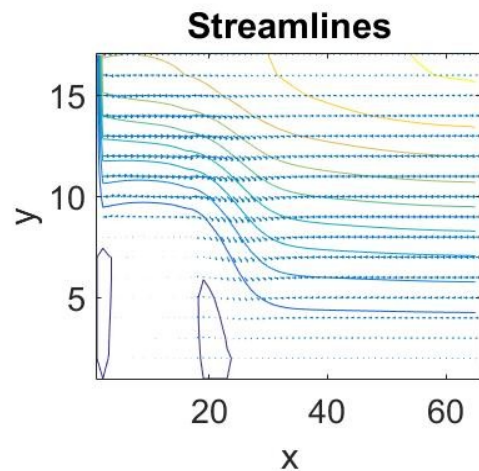
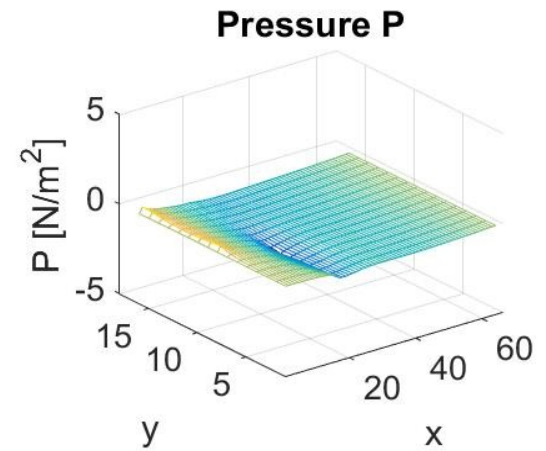
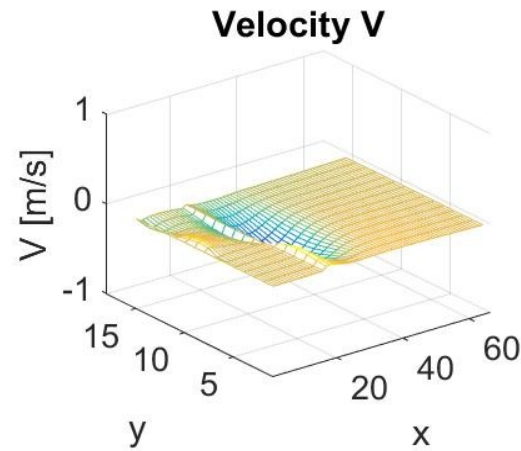
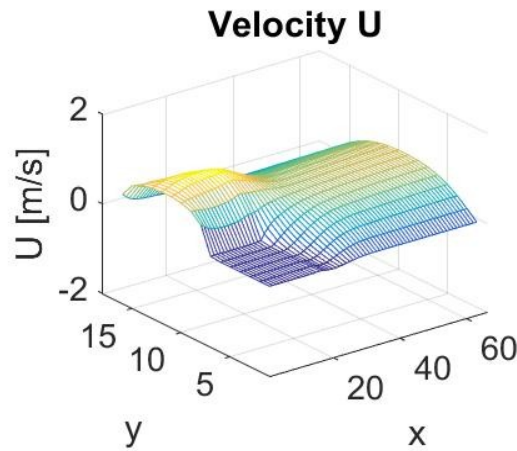
H. Wüstenberg, R. Kansara, S. Vashisth 17.08.2017

Backwards-facing step

- Inlet: Uniform velocity profile
- Outlet: Zero gradient
- No-slip boundary condition

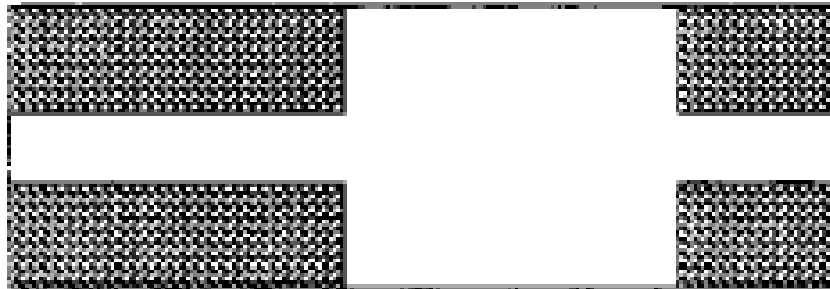


Backwards-facing step

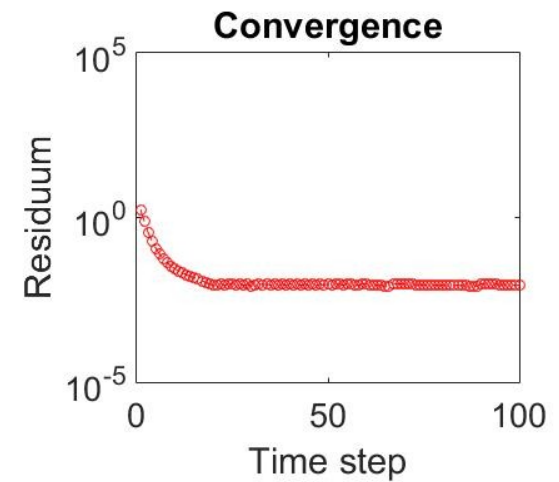
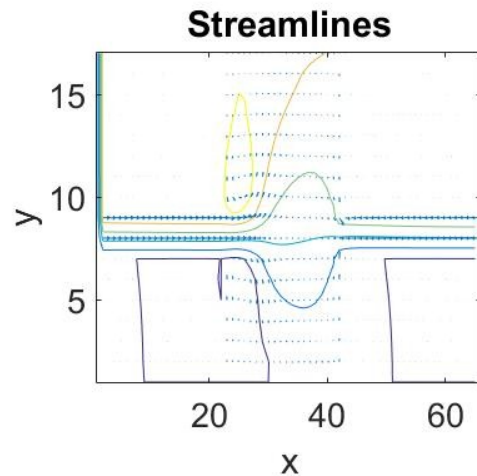
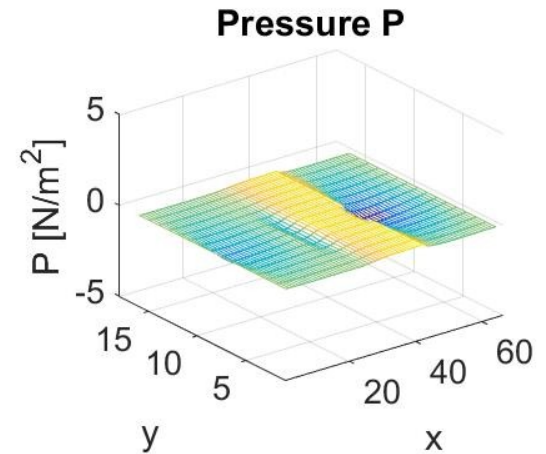
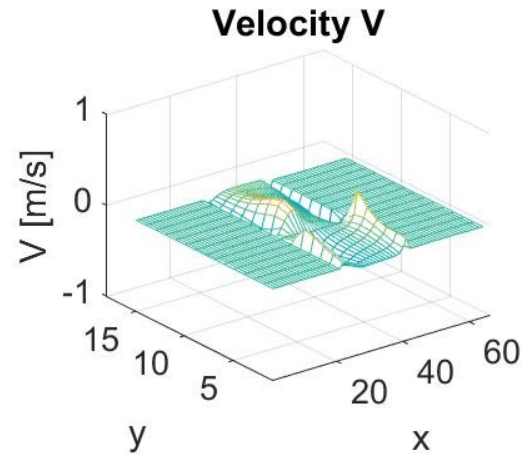
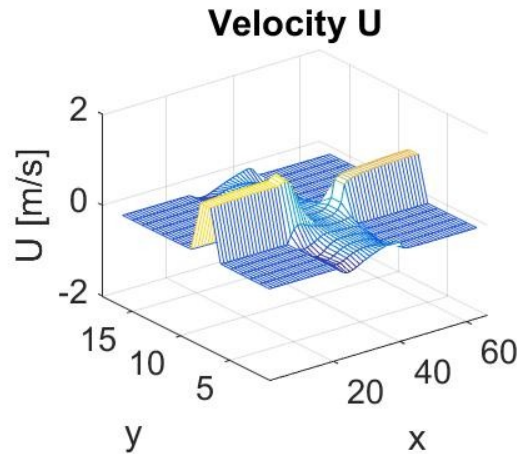


Sudden Converging-Diverging Channel

- Inlet on the left
- Outlet on the right
- Free-slip boundary conditions

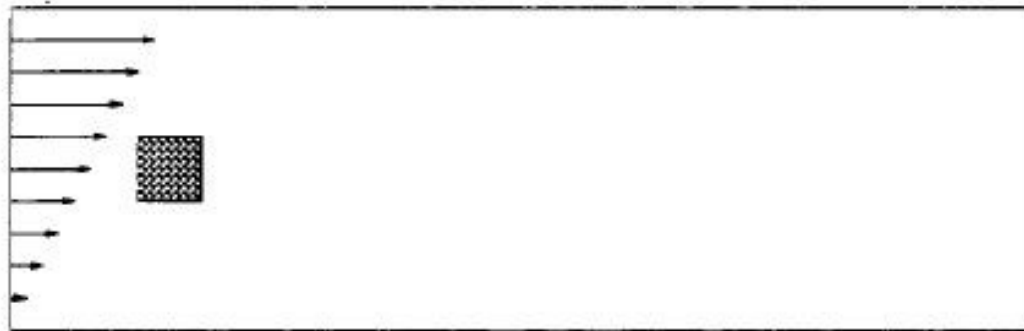


Sudden Converging-Diverging Channel

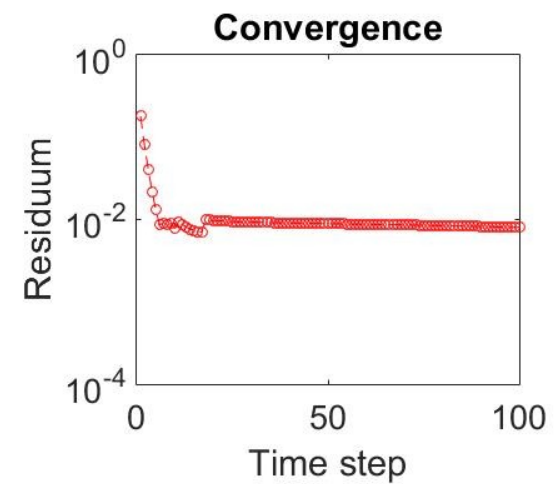
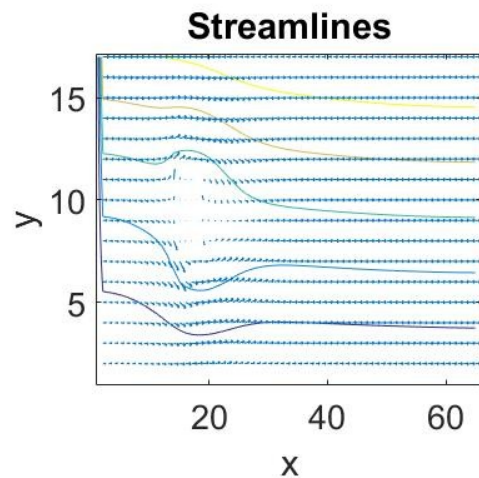
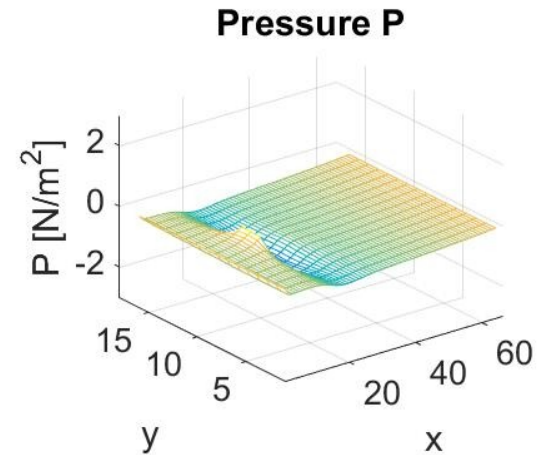
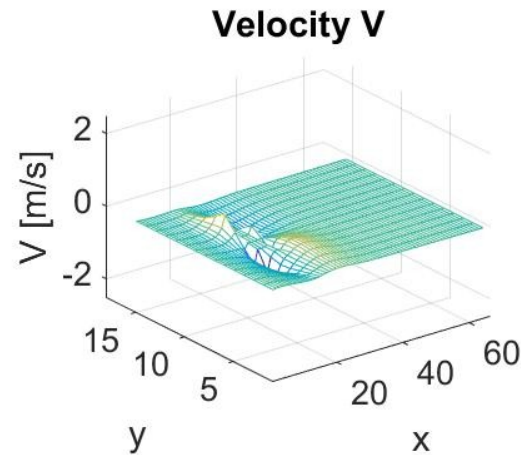
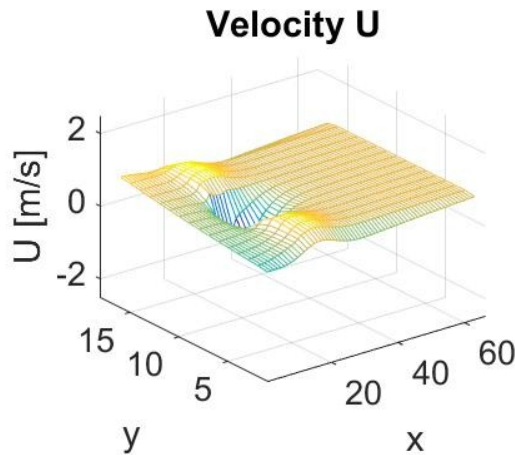


Square Cube in Cross-Flow

- Inlet: Linear velocity profile
- Outlet: Zero gradient
- Free-slip boundary conditions



Square Cube in Cross-Flow



Particle Tracer

