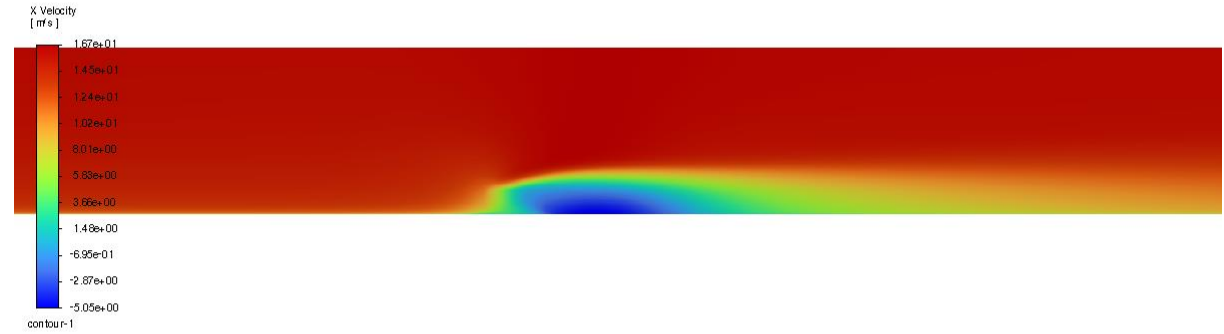
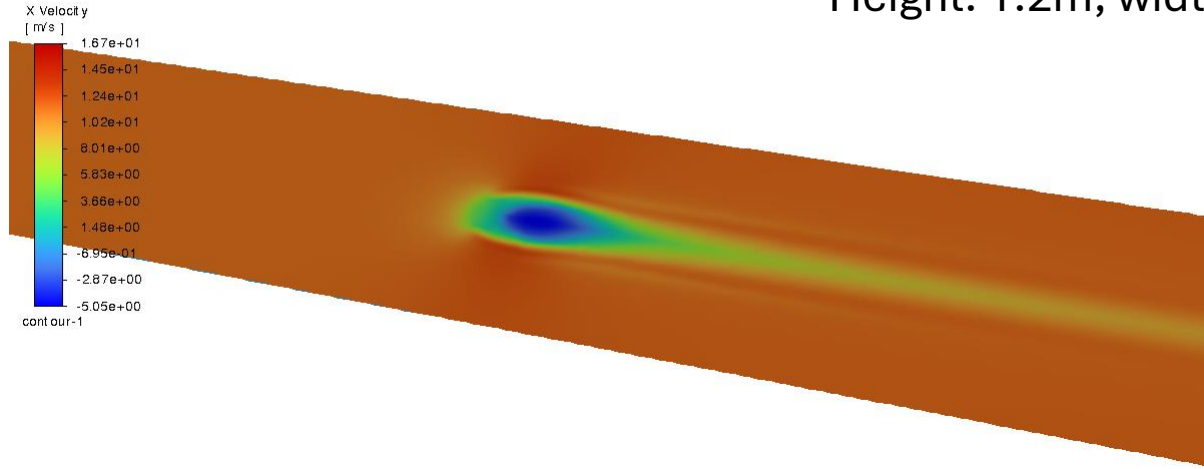
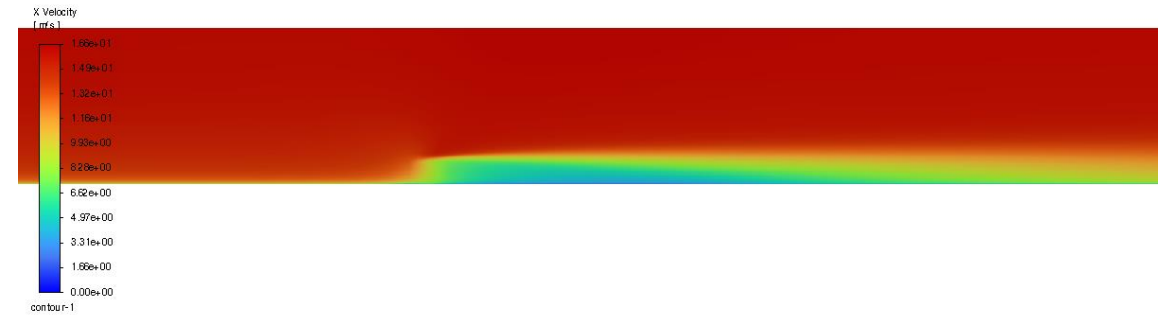
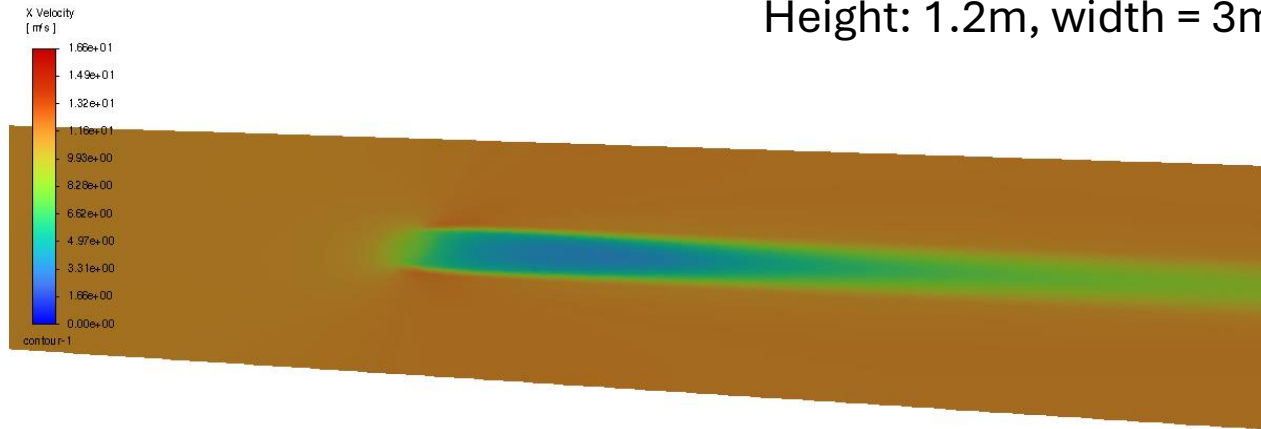


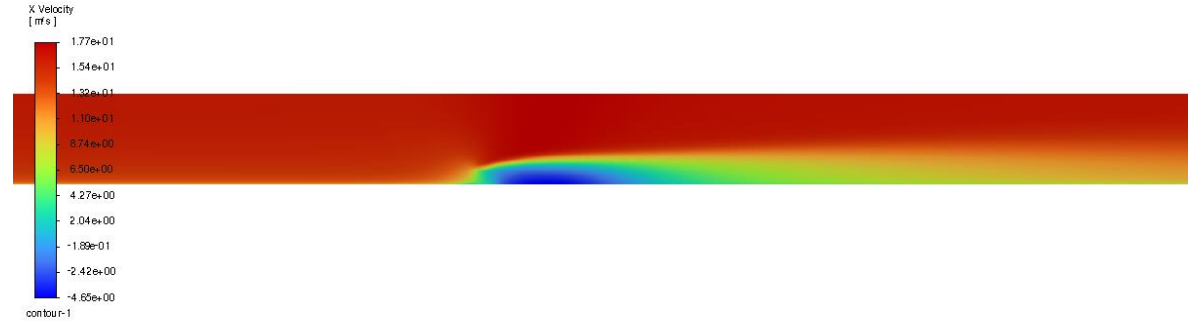
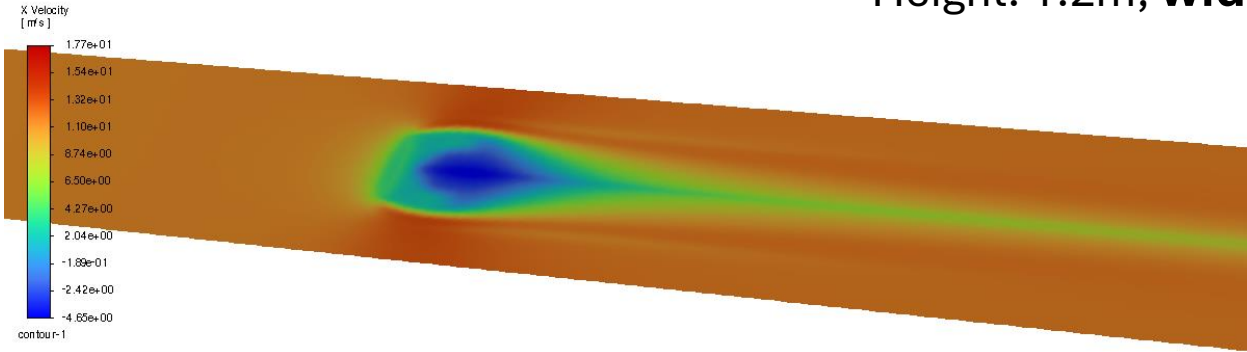
Height: 1.2m, width = 3m, $u^*=0.5\text{m/s}$, **$p = 0.2$**



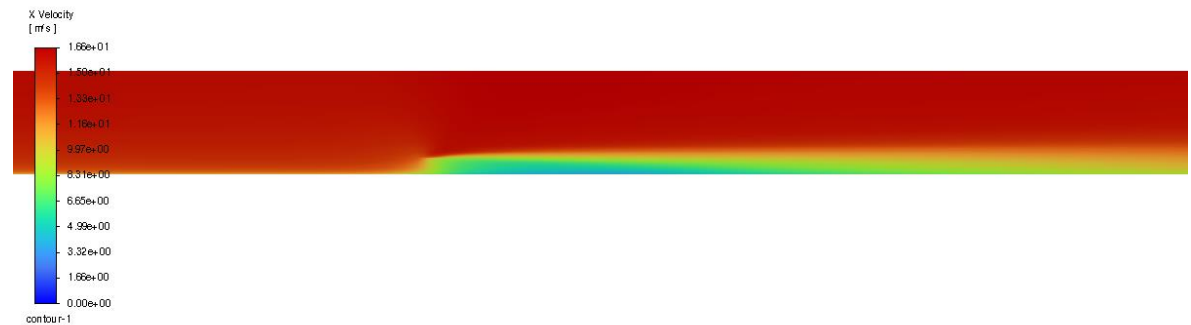
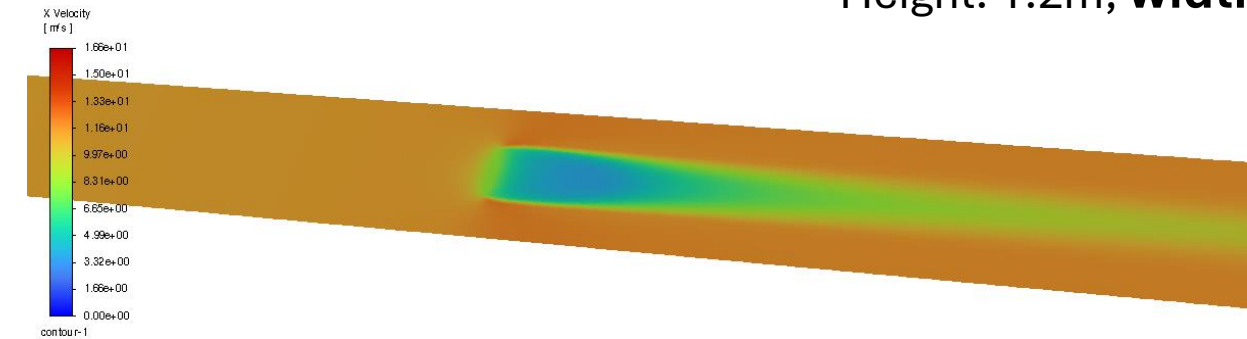
Height: 1.2m, width = 3m, $u^*=0.5\text{m/s}$, **$p = 0.5$**



Height: 1.2m, width = 7.6m, $u^* = 0.5\text{m/s}$, $p = 0.2$

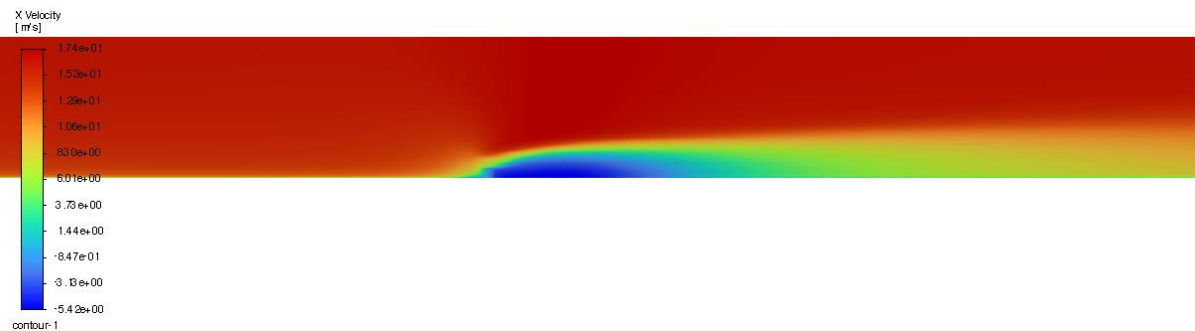


Height: 1.2m, width = 7.6m, $u^* = 0.5\text{m/s}$, $p = 0.5$



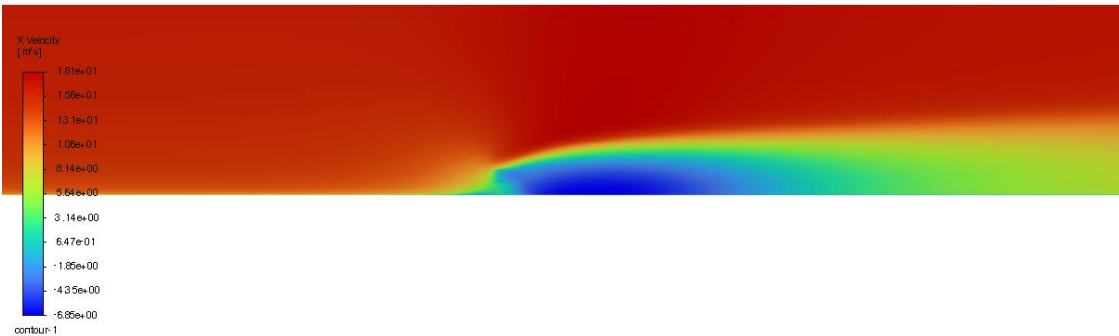
Height = 1m, width = 10m, top = 0.4p,
bottom = 0p

Ansys
2024 R1



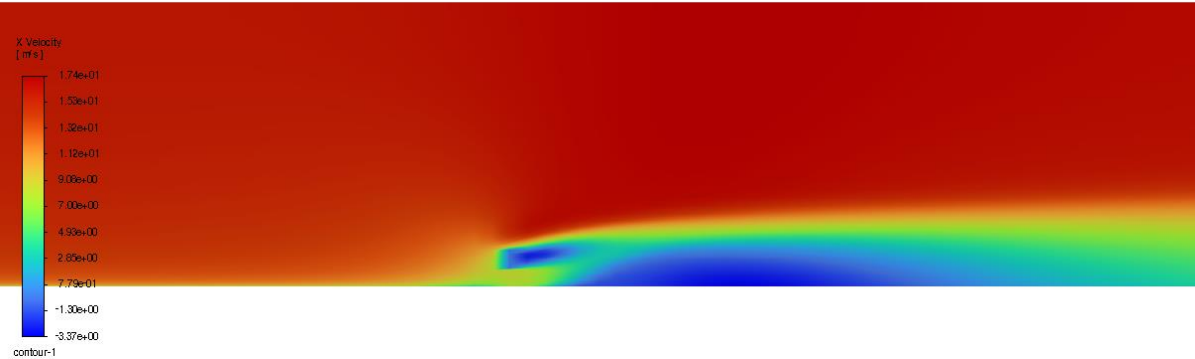
Height = 1m, width = 10m, top = 0p,
bottom = 0.1p

Ansys
2024 R1



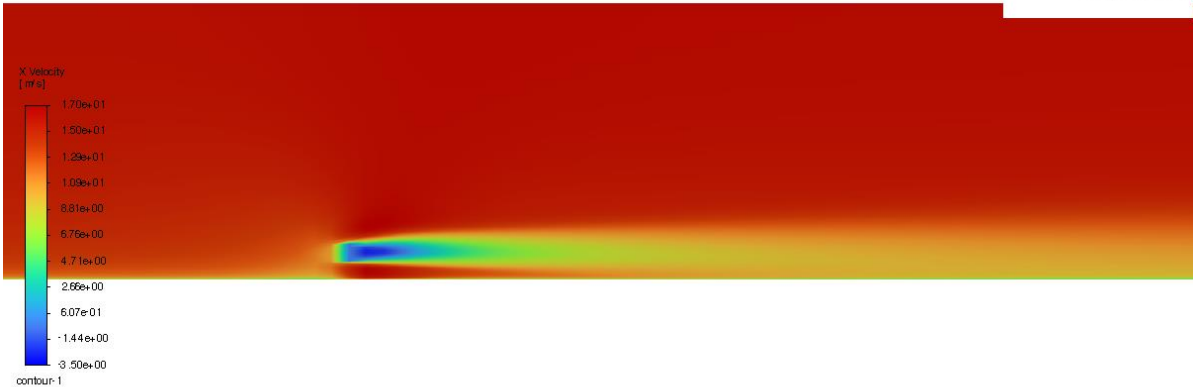
Height = 1m, width = 10m, top = 0p,
bottom = 0.4p

Ansys
2024 R1

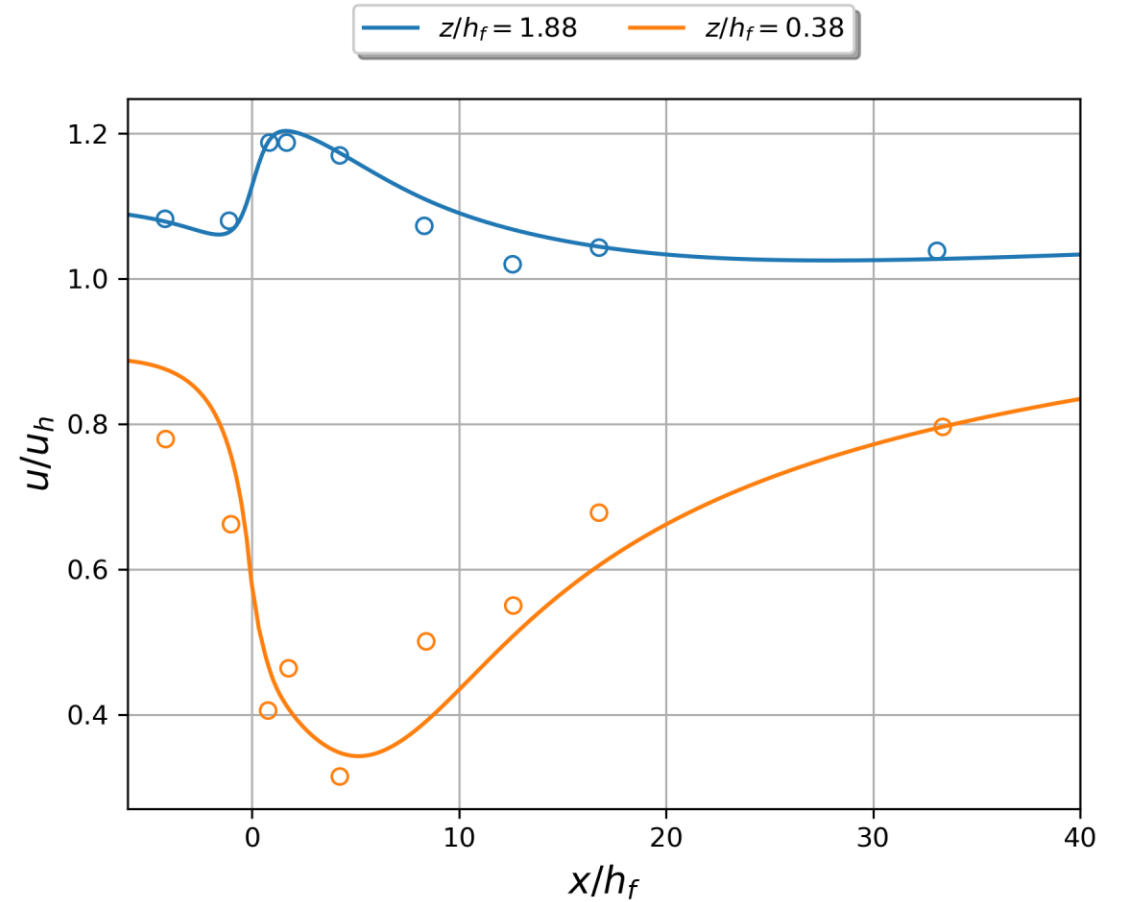
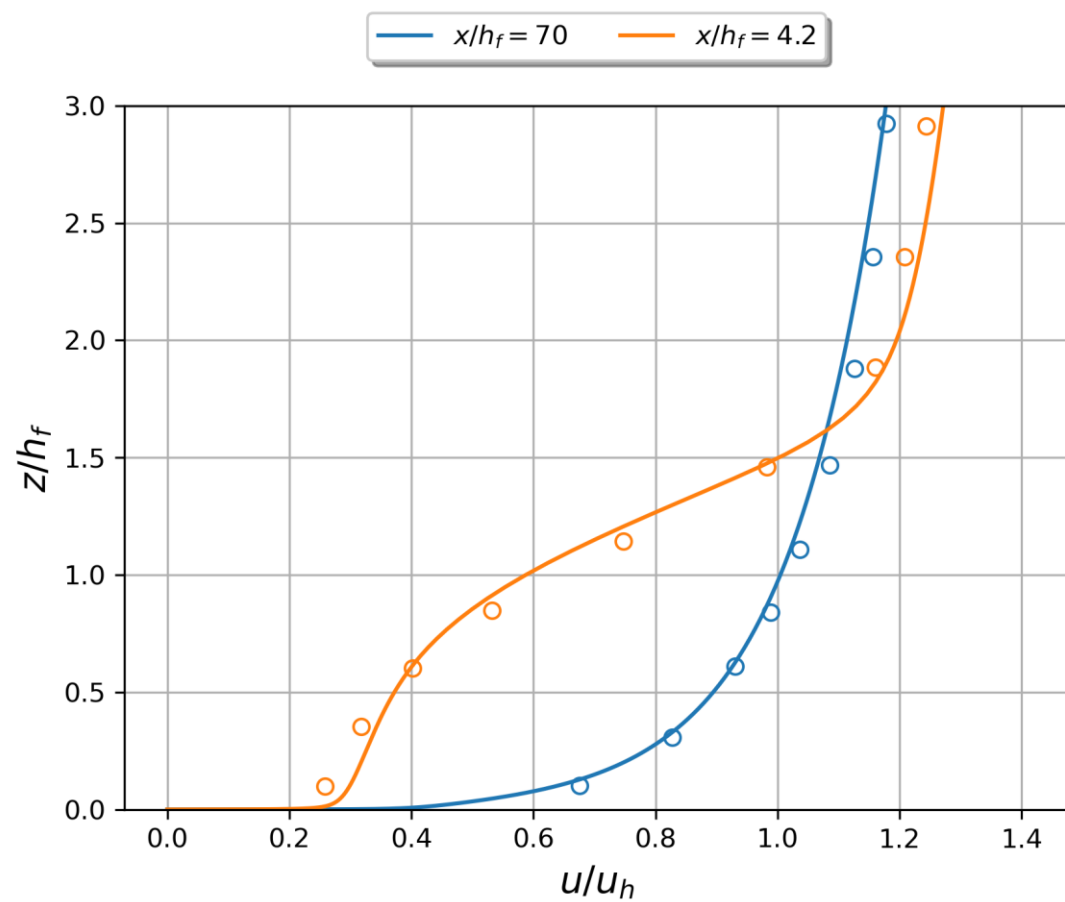


Height = 1m, width = 10m, top = 0p,
bottom = 1 p

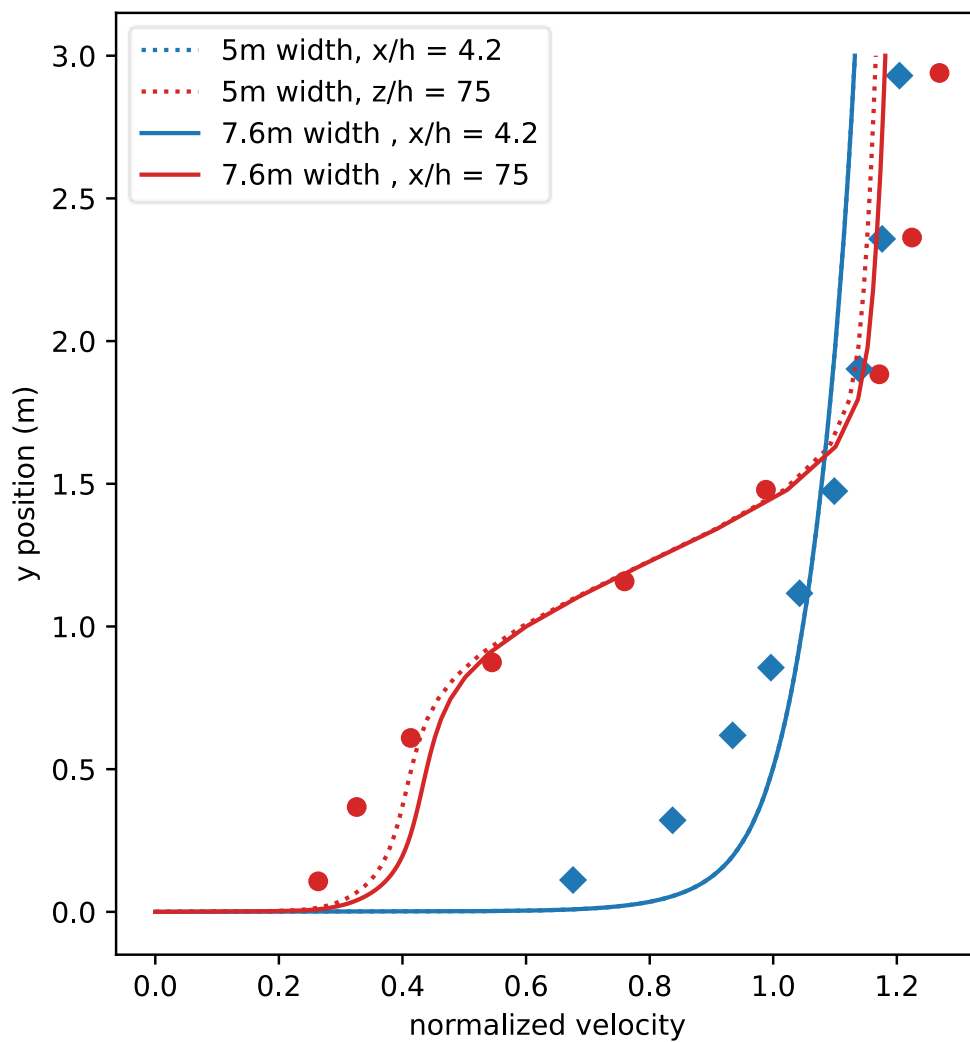
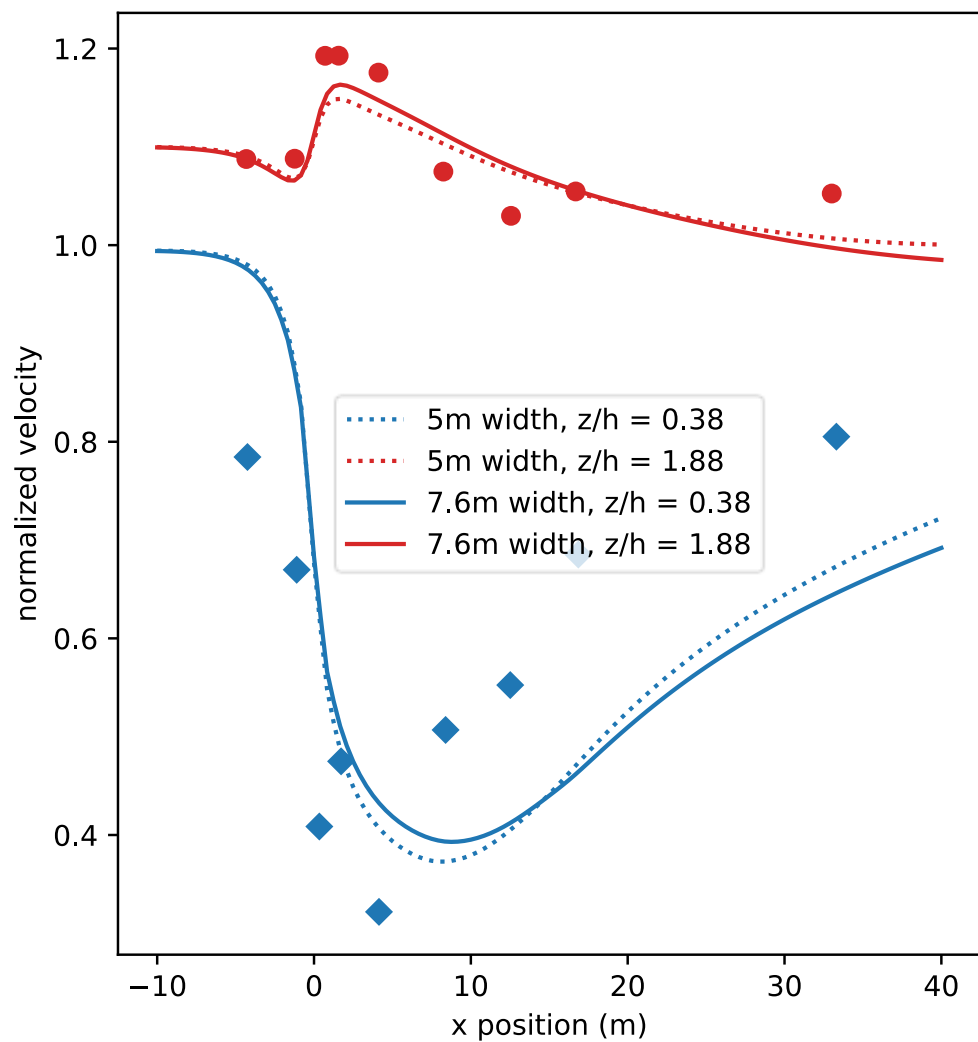
Ansys
2024 R1



Bachelorarbeit



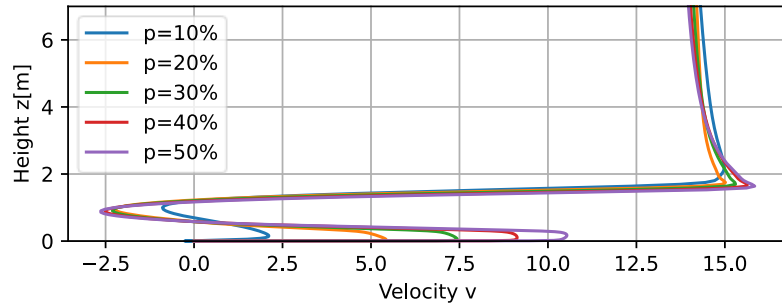
Comparison with velocity profiles from Liu et al. (2021), Channel height = 10m, Log inlets with $u^* = 0.5\text{m/s}$, height fence = 1.2m, width variation, $y^+ = 45$



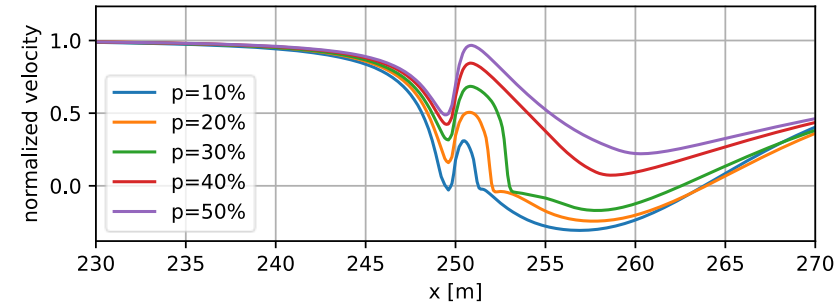
fence 1m height, bottom 0.5m variation in porosity, top 0.5m 0% porosity, $u^*=0.4\text{m/s}$, $z_0=1\text{e-5}$

Data for graph b)-g) normalized with data point 2200

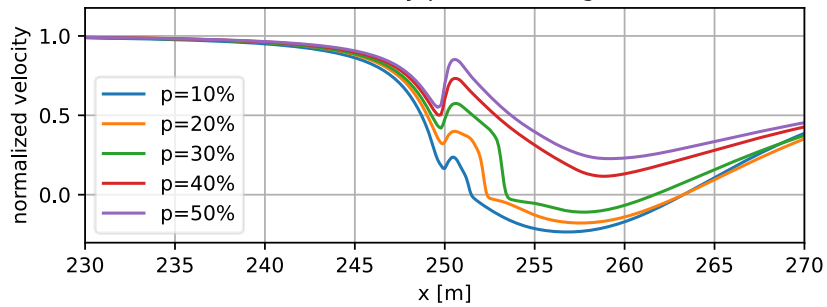
a) Velocity depending on height at $x=251$ (directly behind fence)



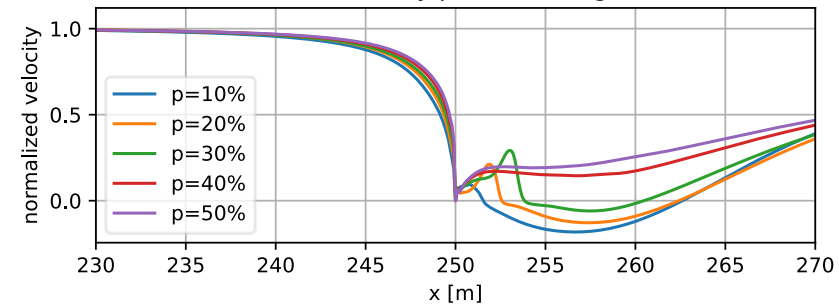
b) horizontal velocity profile at height $z=0.1\text{m}$



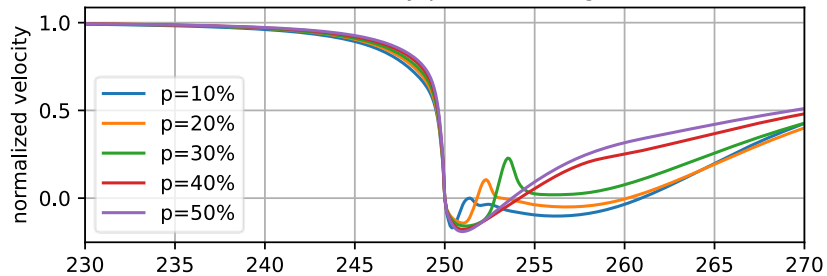
c) horizontal velocity profile at height $z=0.3\text{m}$



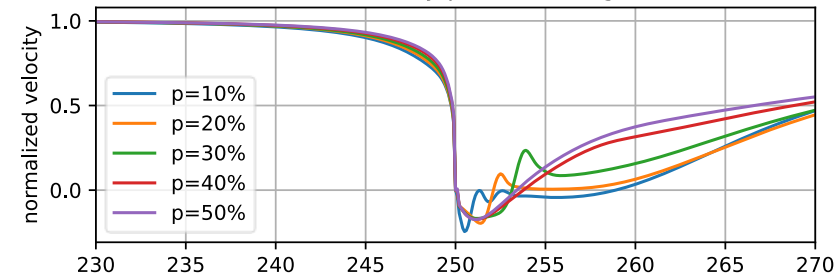
d) horizontal velocity profile at height $z=0.5\text{m}$



e) horizontal velocity profile at height $z=0.8\text{m}$



f) horizontal velocity profile at height $z=1\text{m}$



g) horizontal velocity profile at height $z=2\text{m}$

