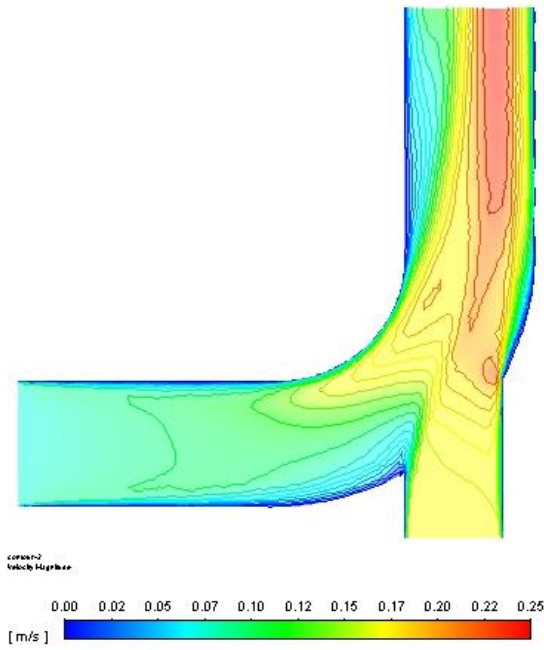
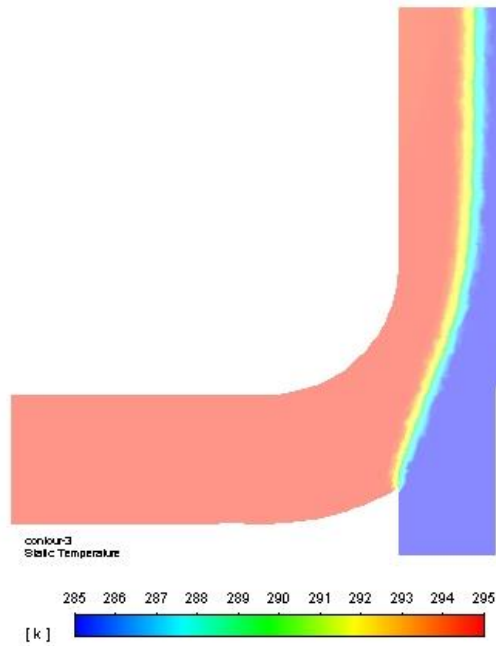


Homework 1 reference solution

Task 1

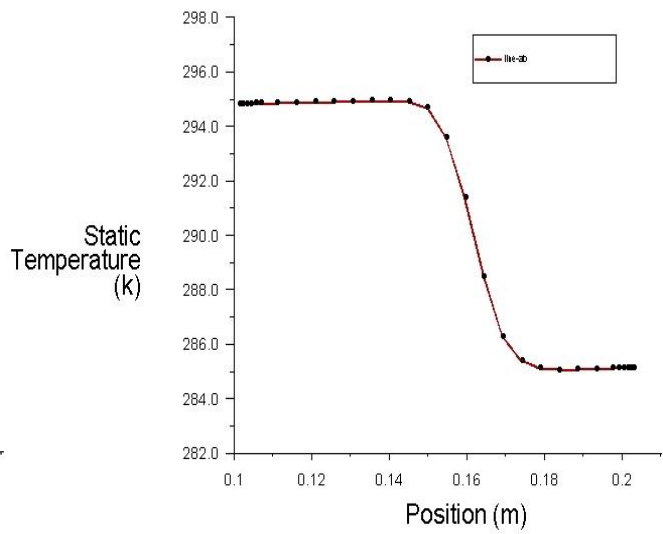
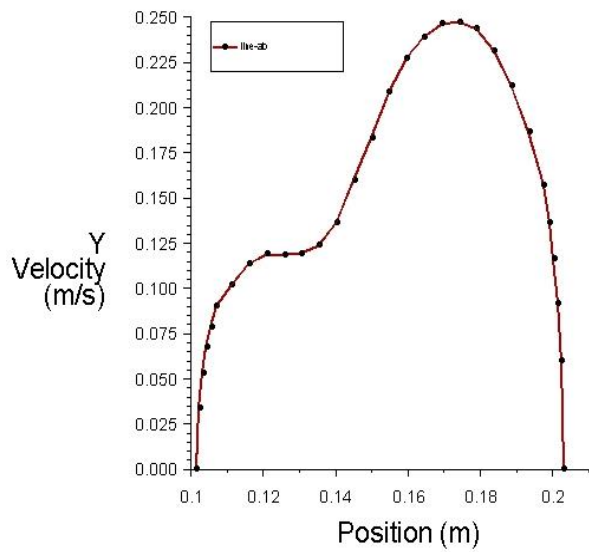


Velocity magnitude



Temperature

Task 2



Task 3

Inlet of main pipe: 194652 W

Inlet of side pipe: 158455 W (sum of two inlets = 353107 W)

Outlet: 353055 W