

Attachment 2

Renders of physical properties for velocities ranging from 0.5-5 m/s.

Reference model

Velocities displayed on symmetry plane

Displaying motion of fluid around the drone.

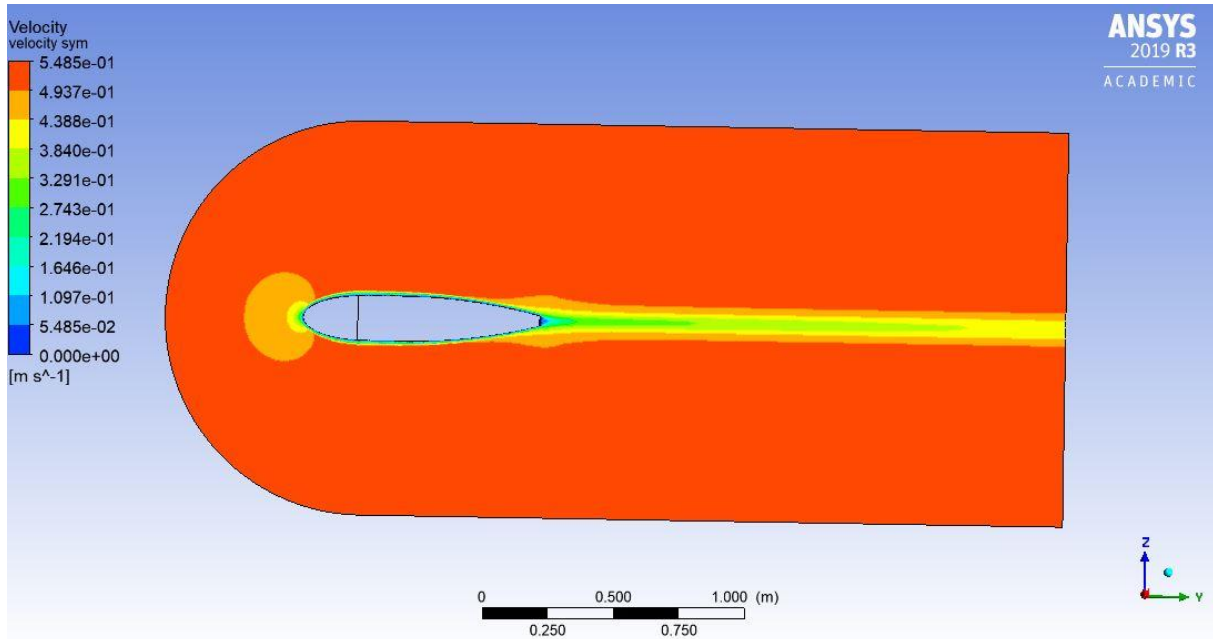


Figure 1: Velocity 0.5 m/s reference model

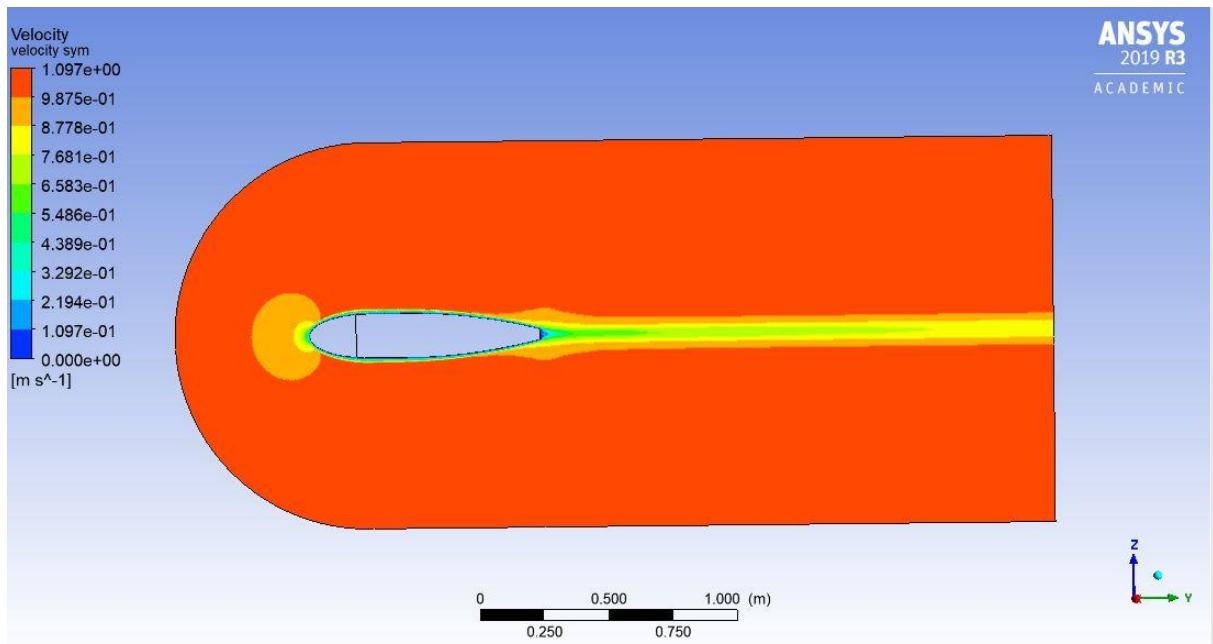


Figure 2: velocity 1.0 m/s reference model.

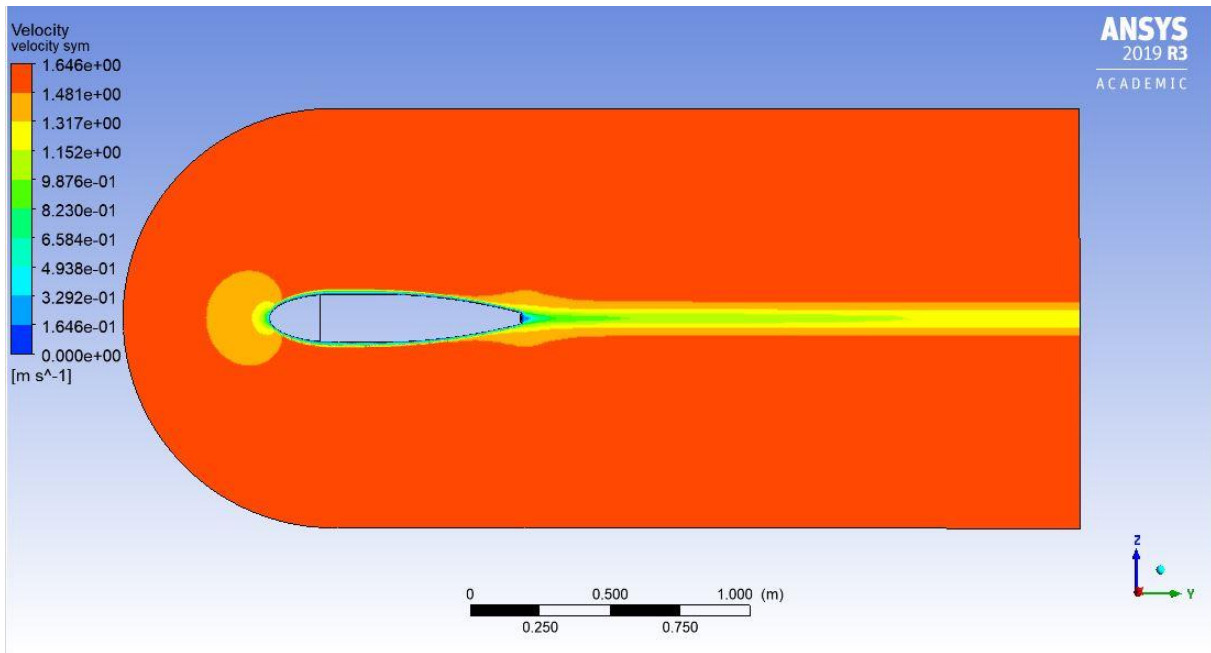


Figure 3: Velocity 1.5 m/s reference model.

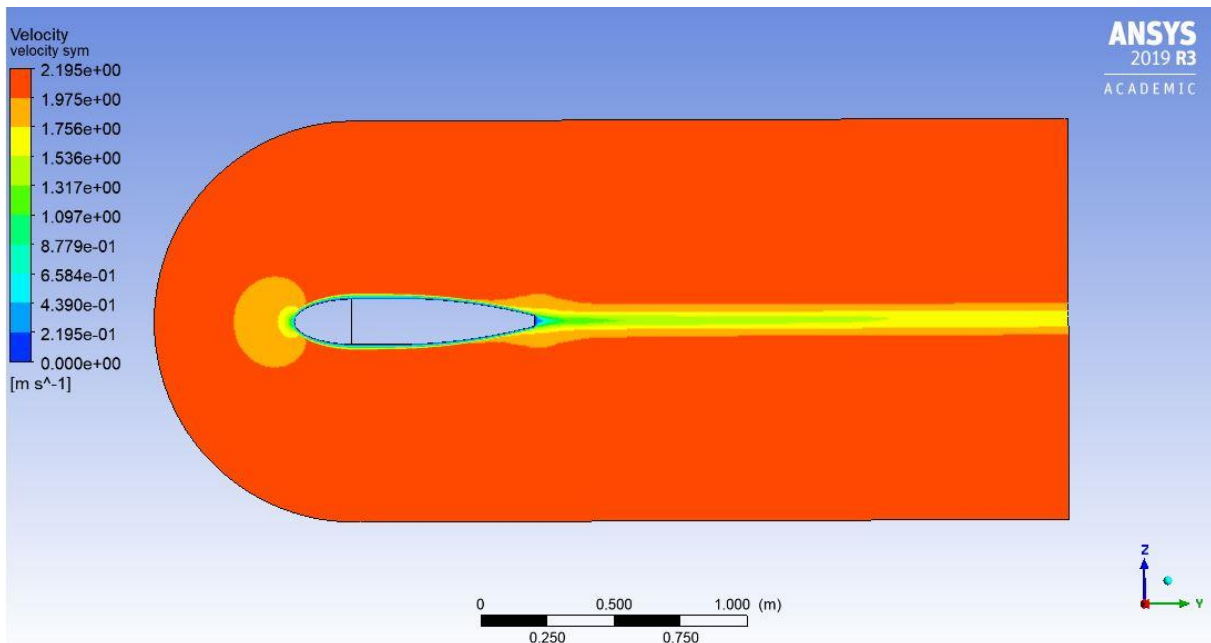


Figure 4: velocity 2.0 m/s reference model.

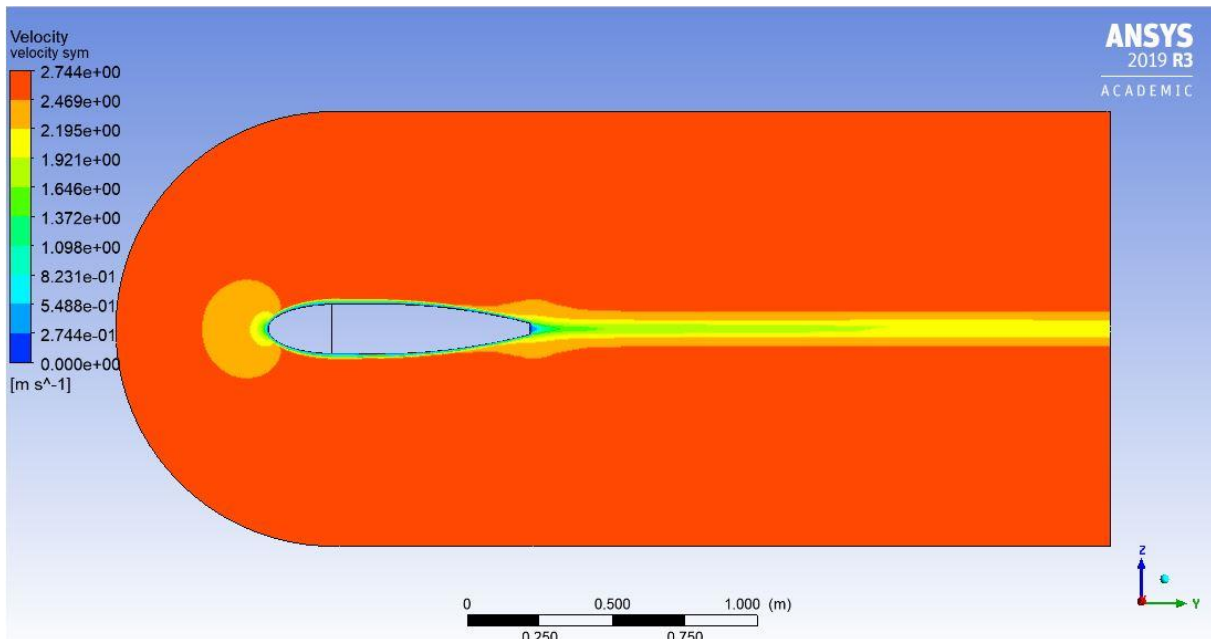


Figure 5 Velocity 2.5 m/s reference model.

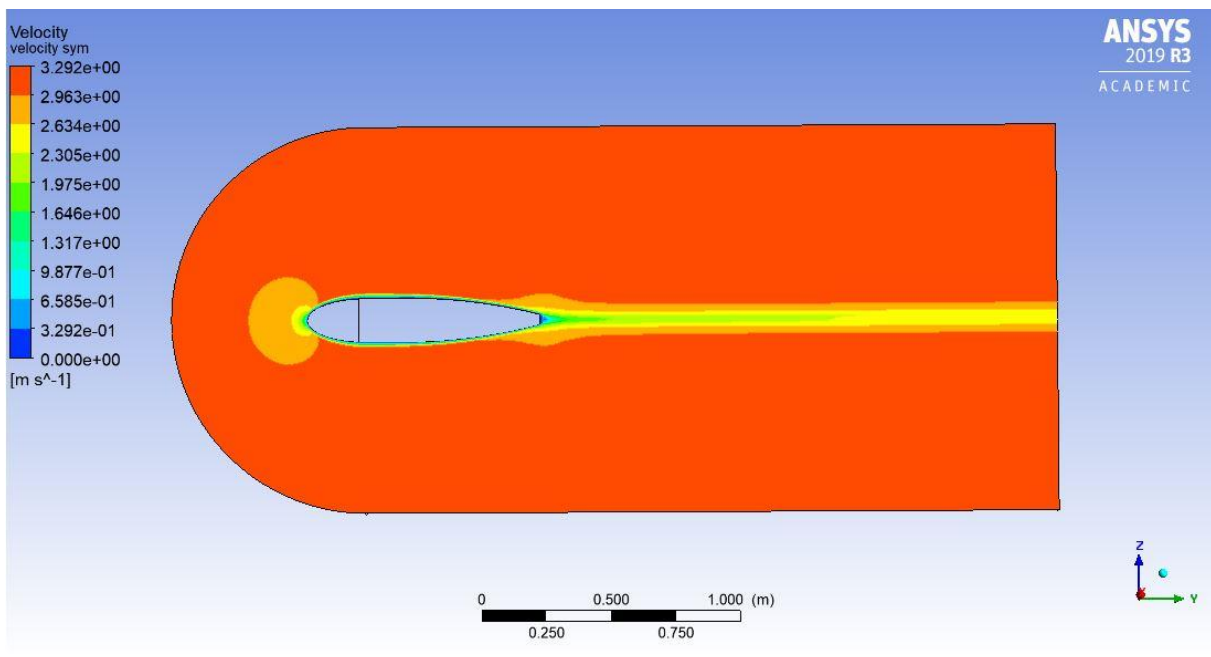


Figure 6: Velocity 3.0 m/s reference model.

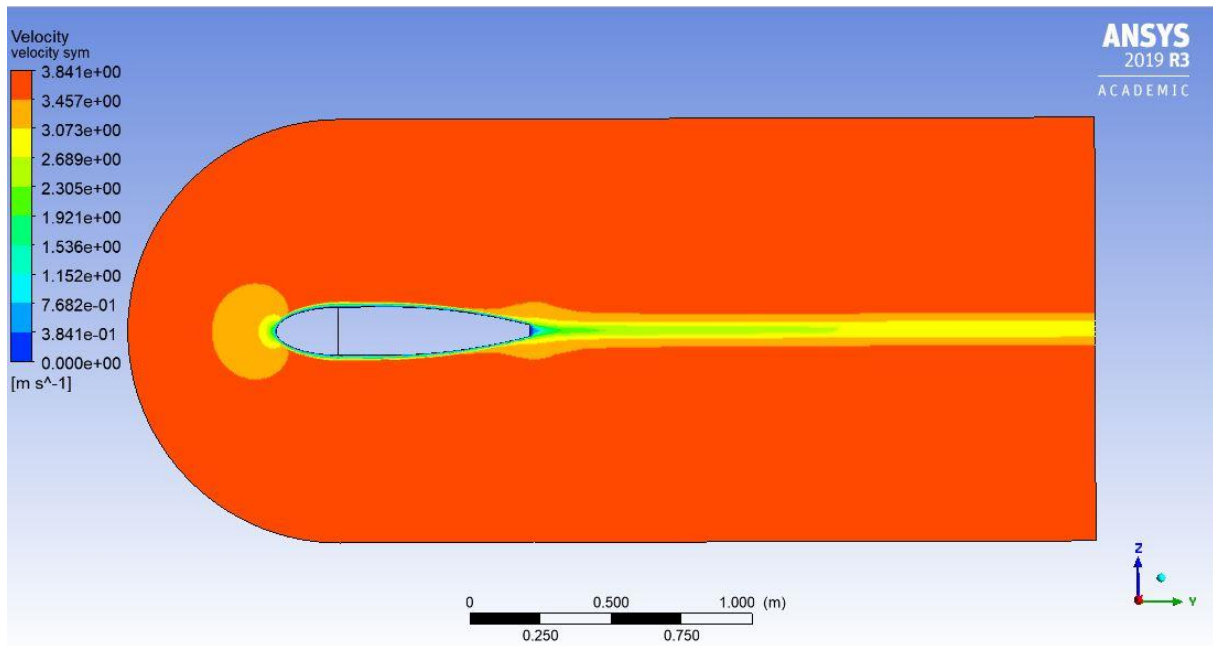


Figure 7: Velocity 3.5 m/s reference model.

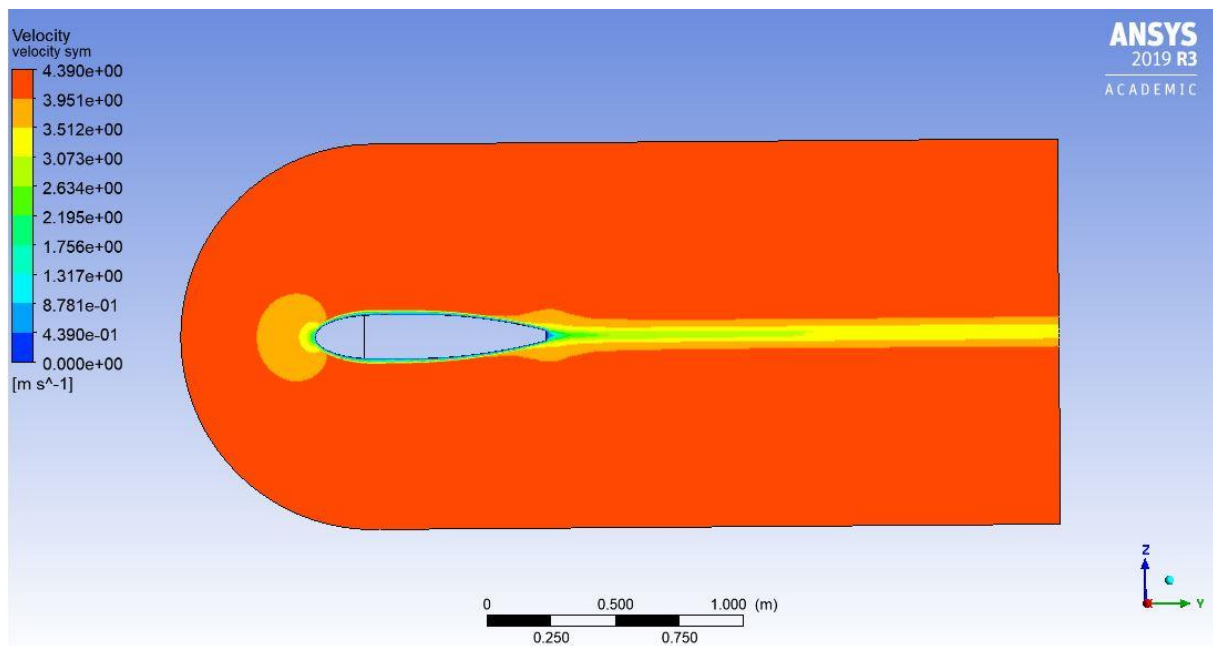


Figure 8 velocity 4.0 m/s reference model.

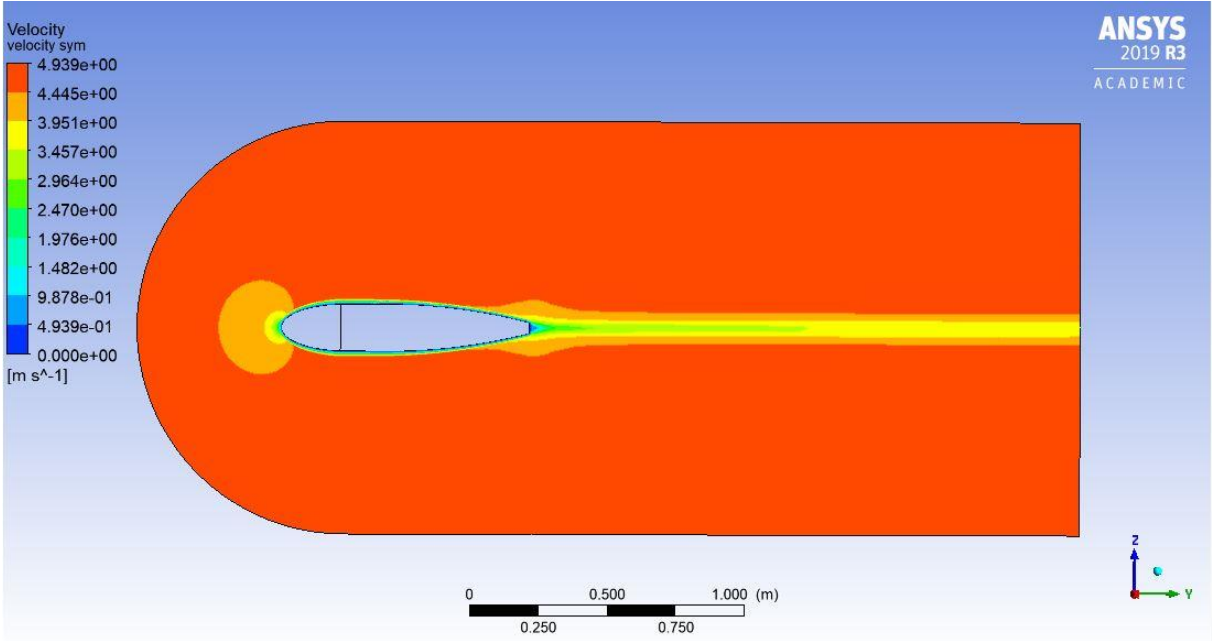


Figure 9: Velocity 4.5 m/s reference model.

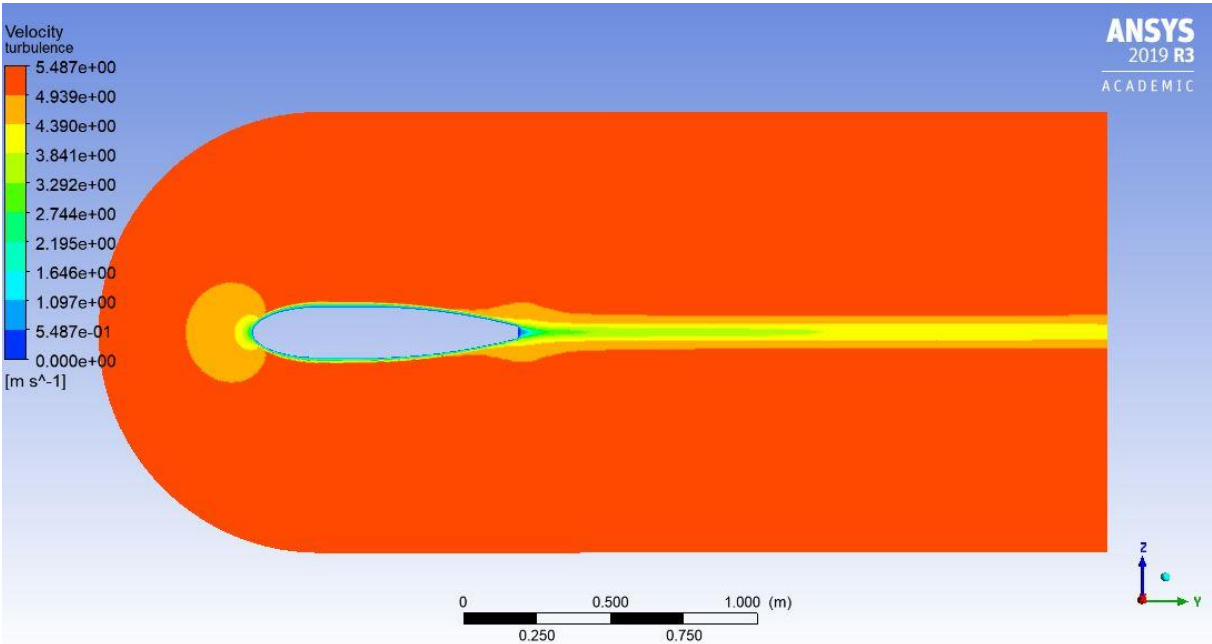


Figure 10: Velocity 5.0 m/s reference model.

Pressure displayed on symmetry plane

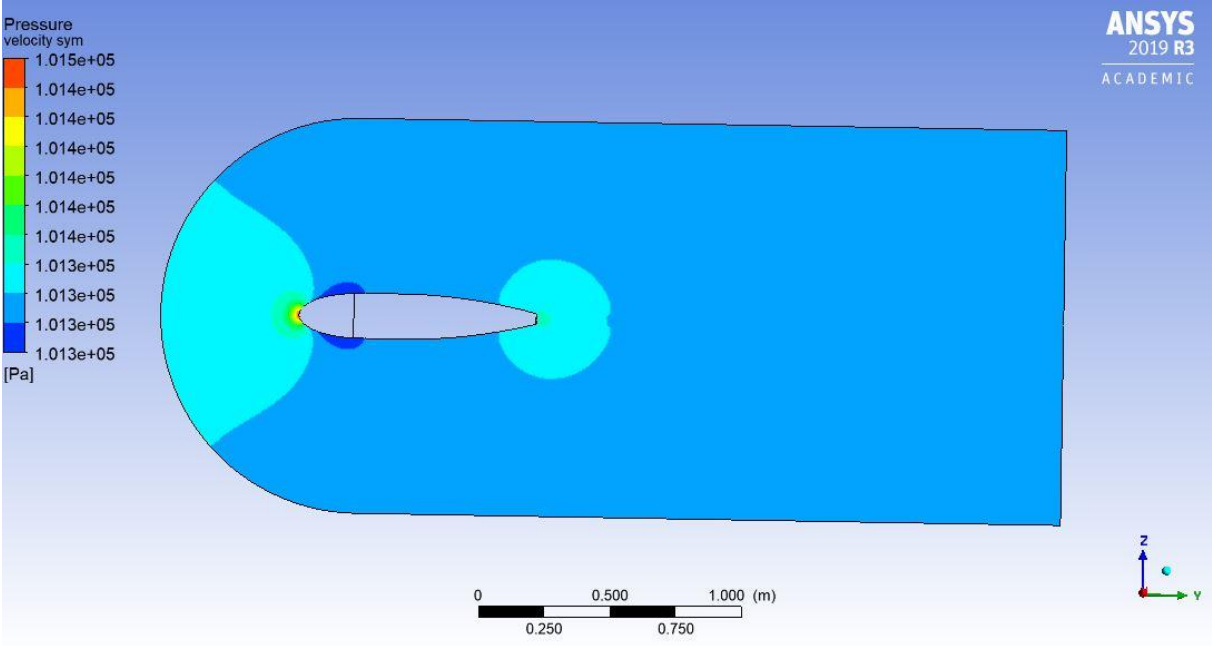


Figure 11: Pressure 0.5 m/s reference model.

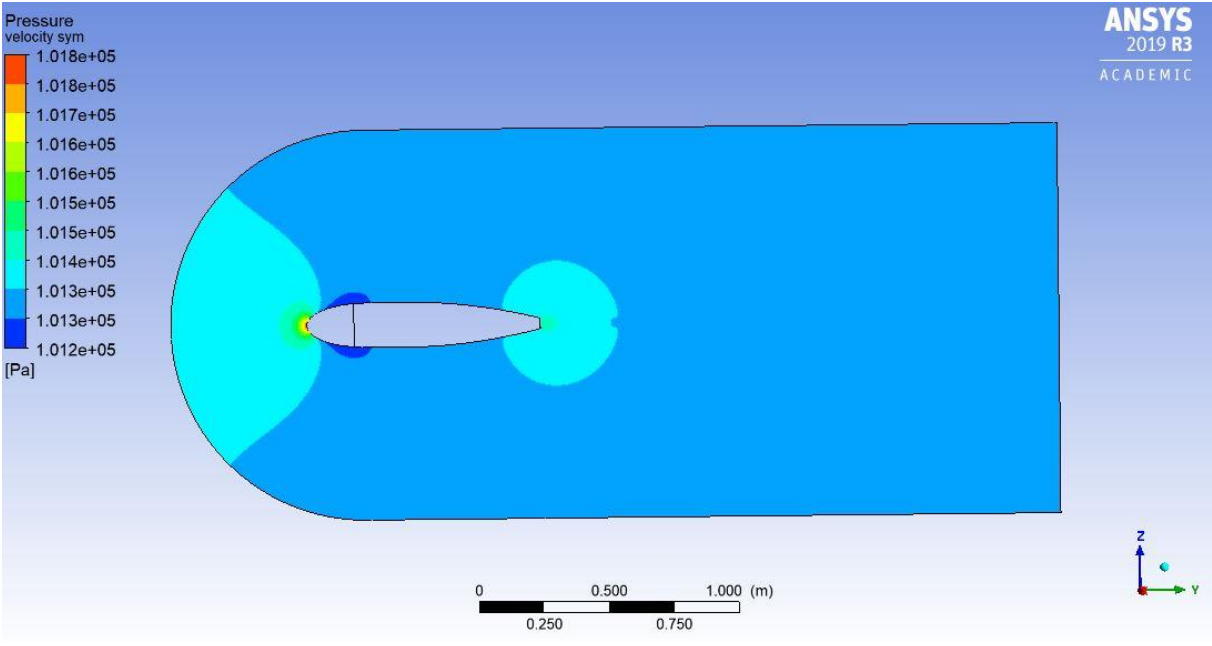


Figure 12: pressure 1.0 m/s reference model.

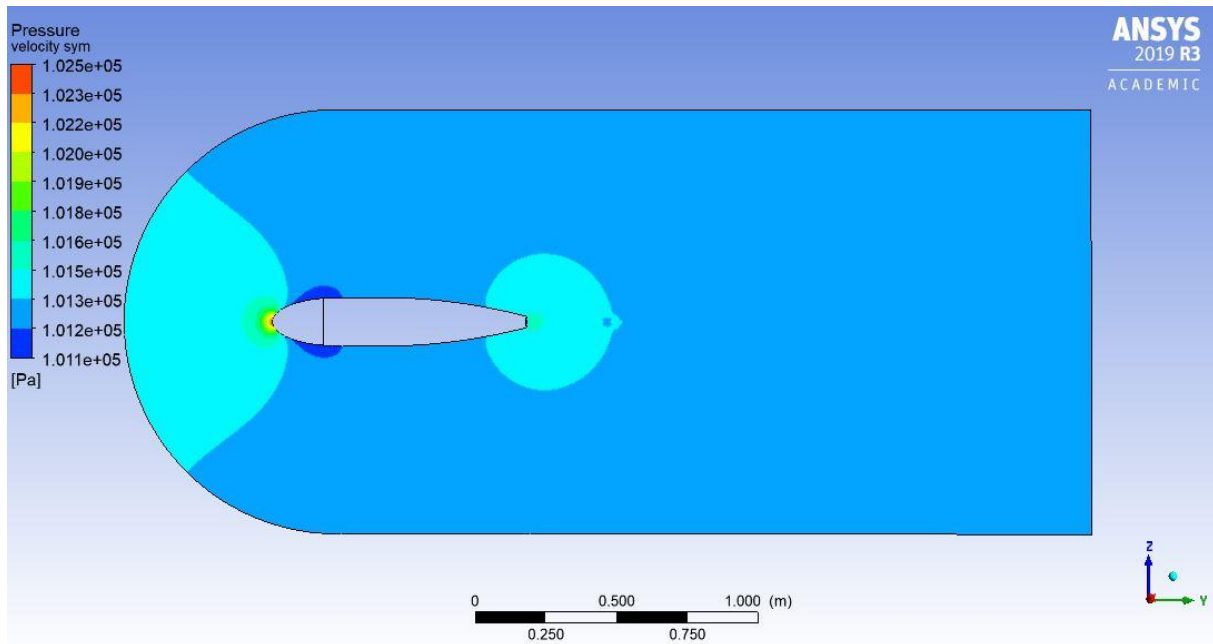


Figure 13: Pressure 1.5 m/s reference model.

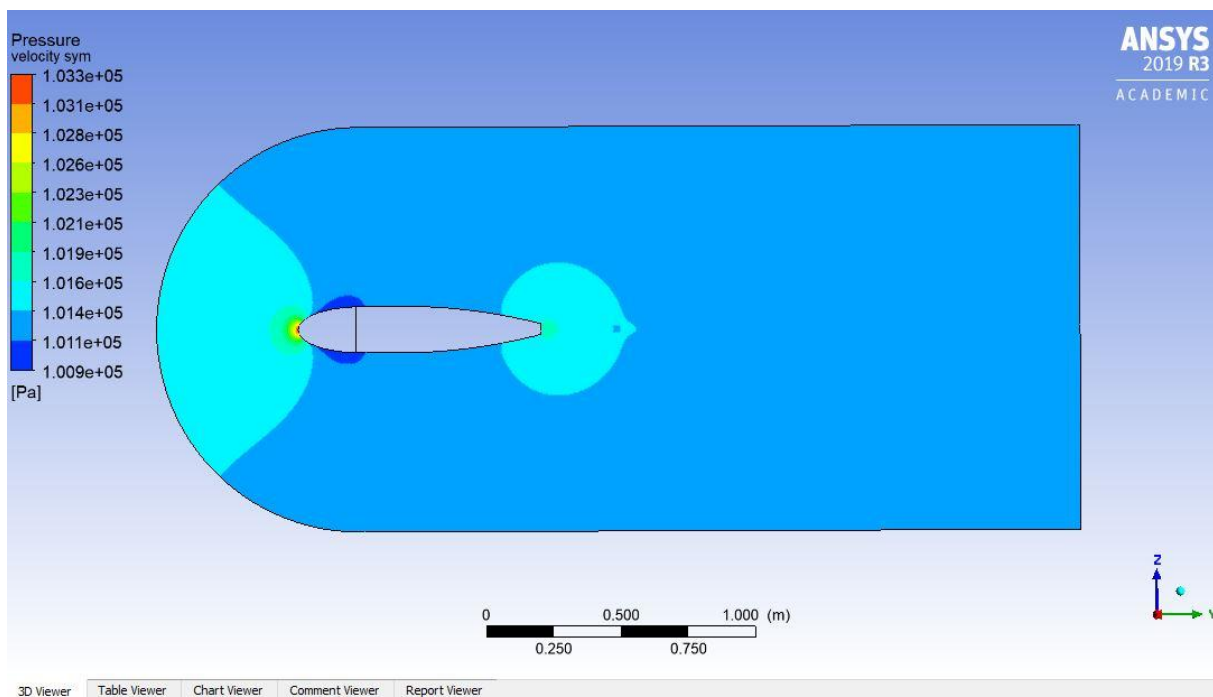


Figure 14: Pressure 2.0 m/s reference model.

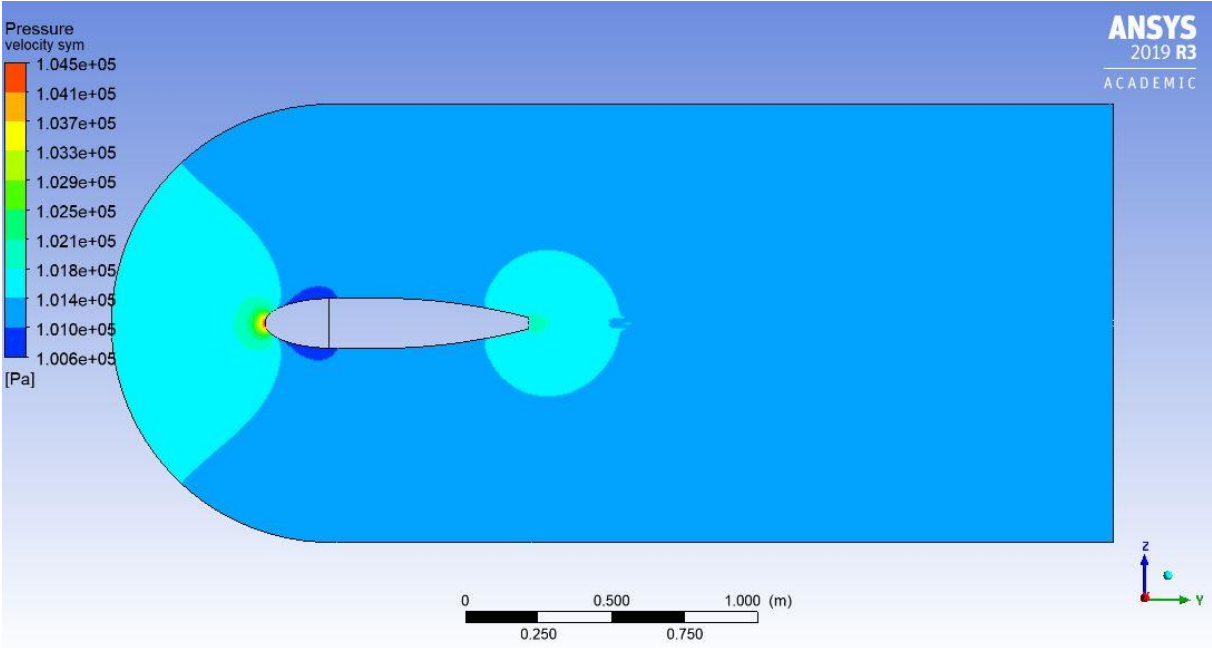


Figure 15: Pressure 2.5 m/s reference model.

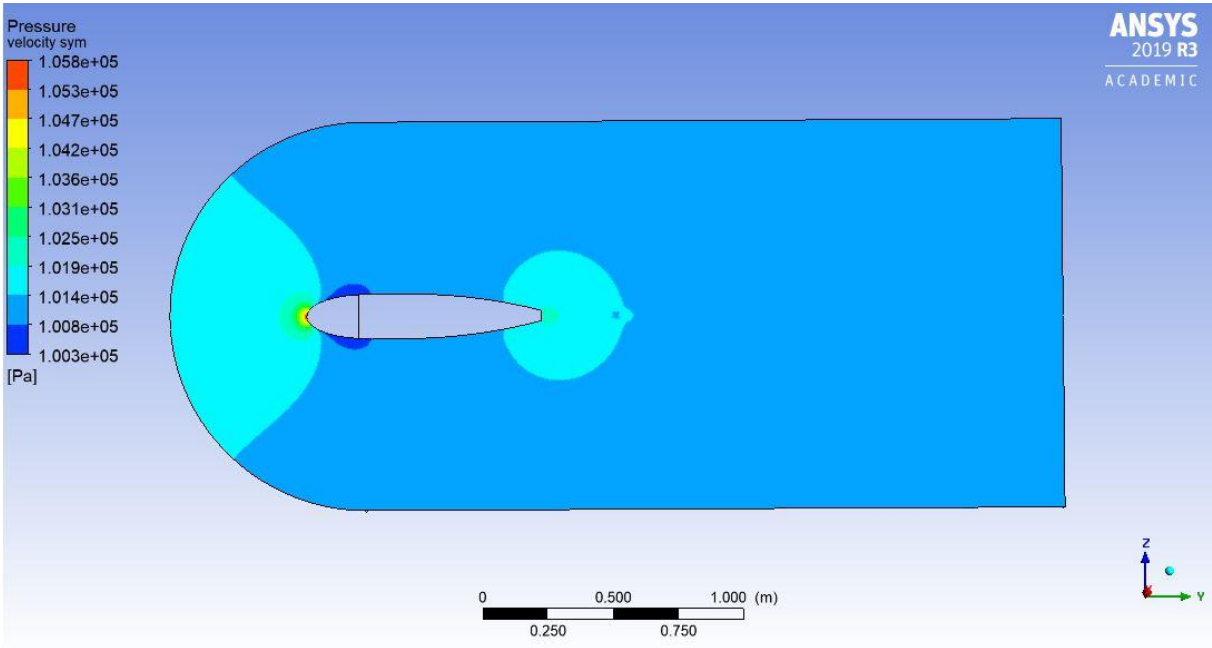


Figure 16: Pressure 3.0 m/s reference model.

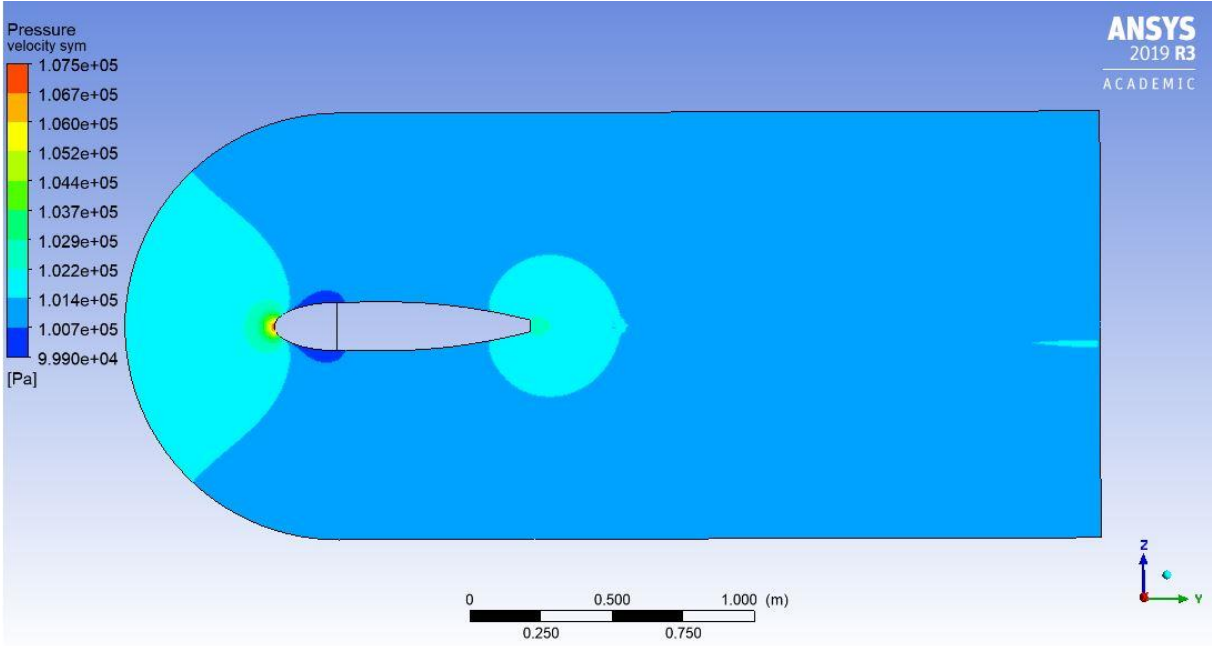


Figure 17: Pressure 3.5 m/s reference model.

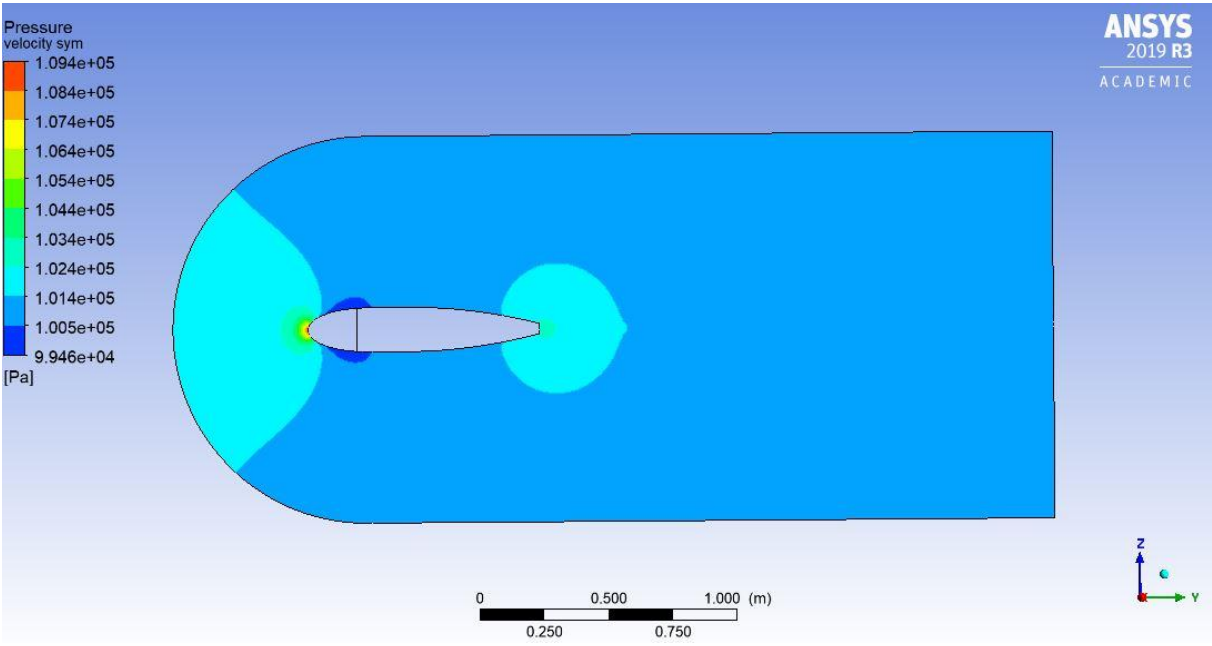


Figure 18: Pressure 4.0 m/s reference model.

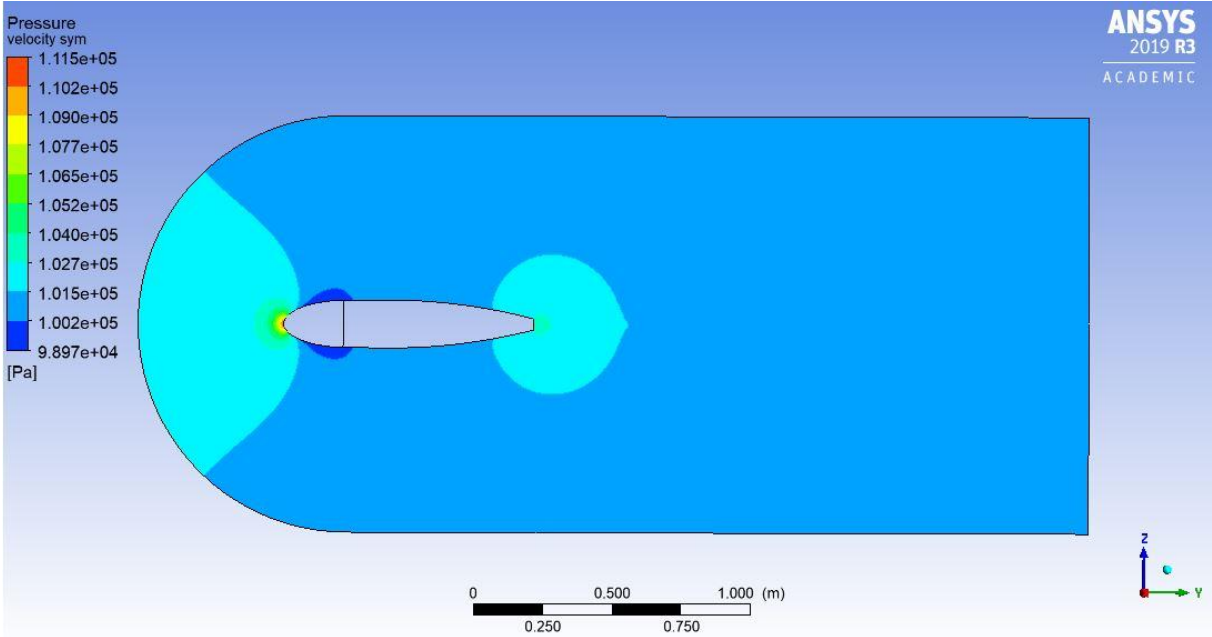


Figure 19: Pressure 4.5 m/s reference model.

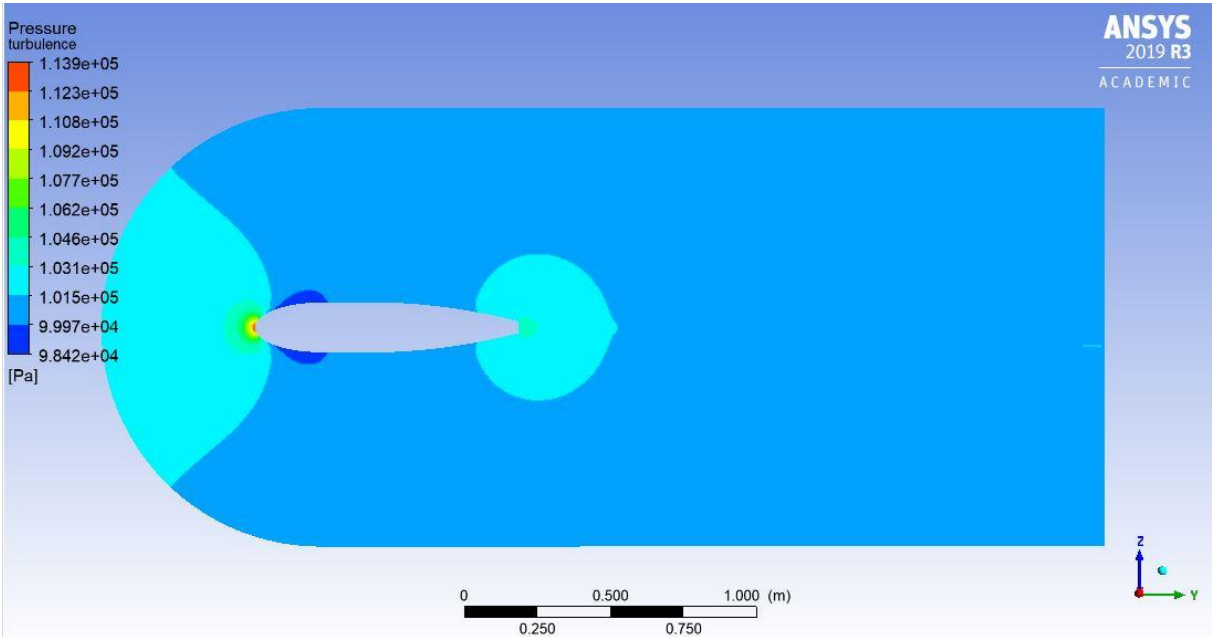


Figure 20: Pressure 5.0 m/s reference model.

Turbulence displayed on Symmetry plane

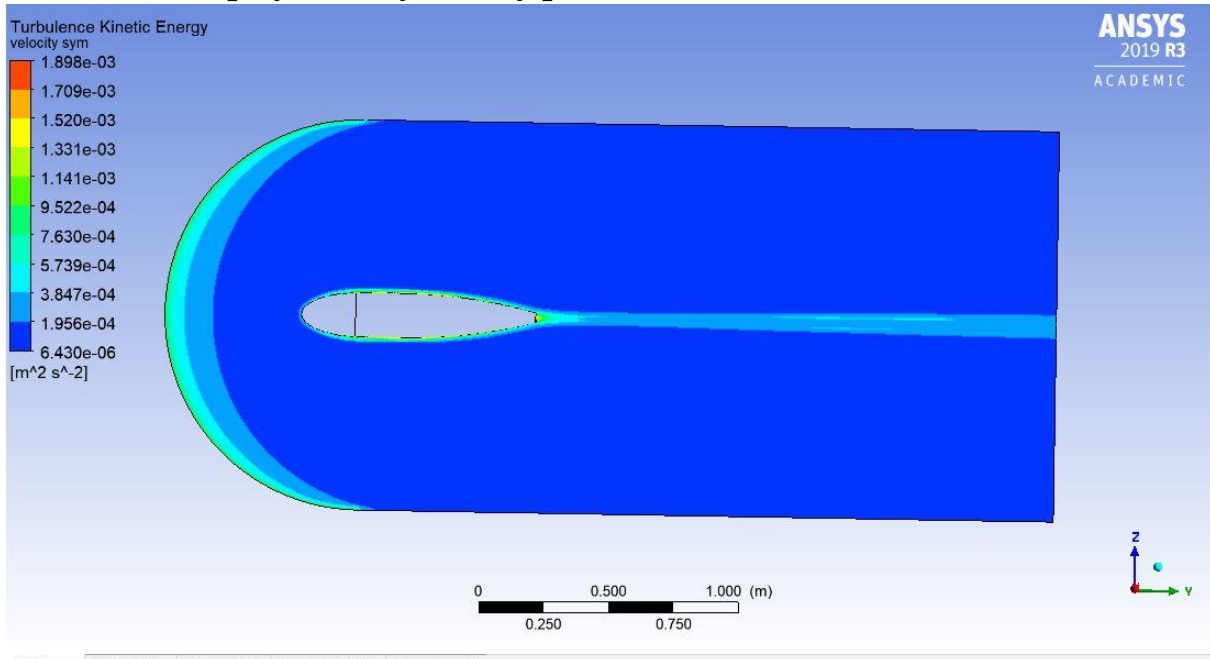


Figure 21: Turbulence 0.5 m/s reference model.

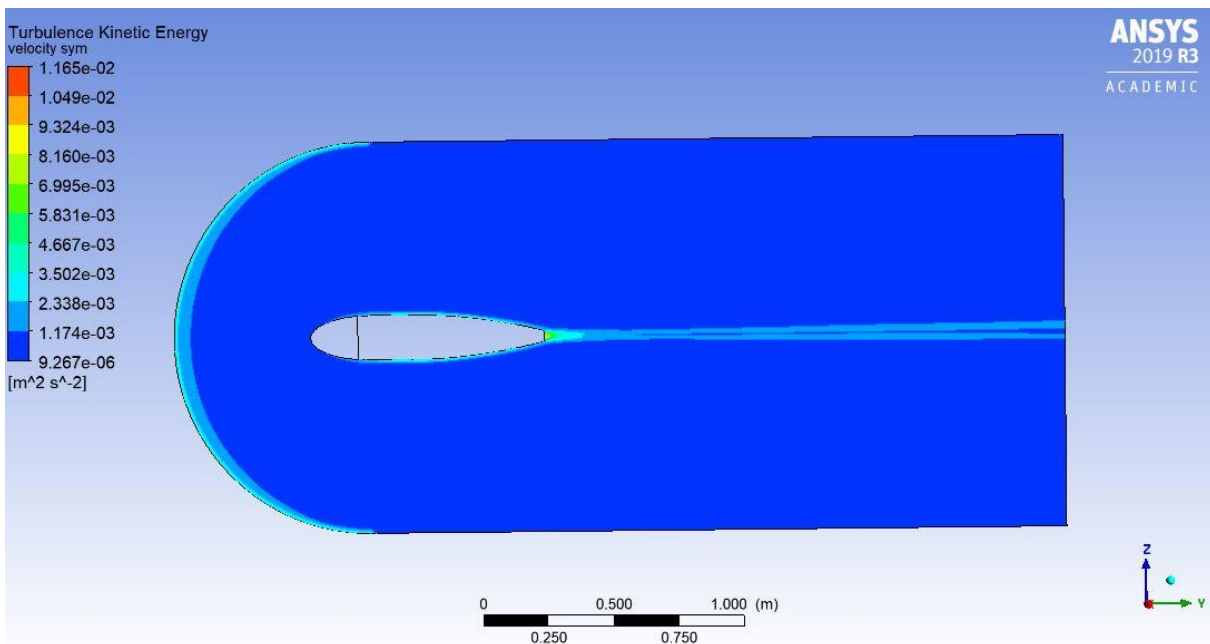


Figure 22 Turbulence 1.0 m/s reference model.

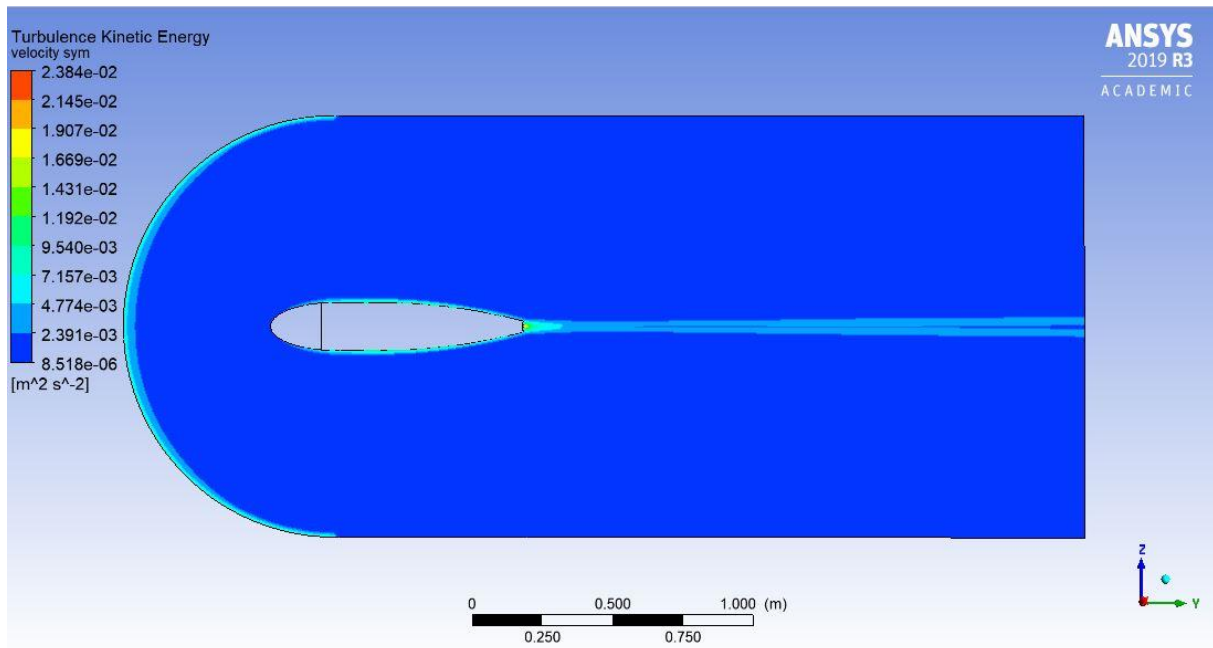


Figure 23: Turbulence 1.5 m/s reference model.

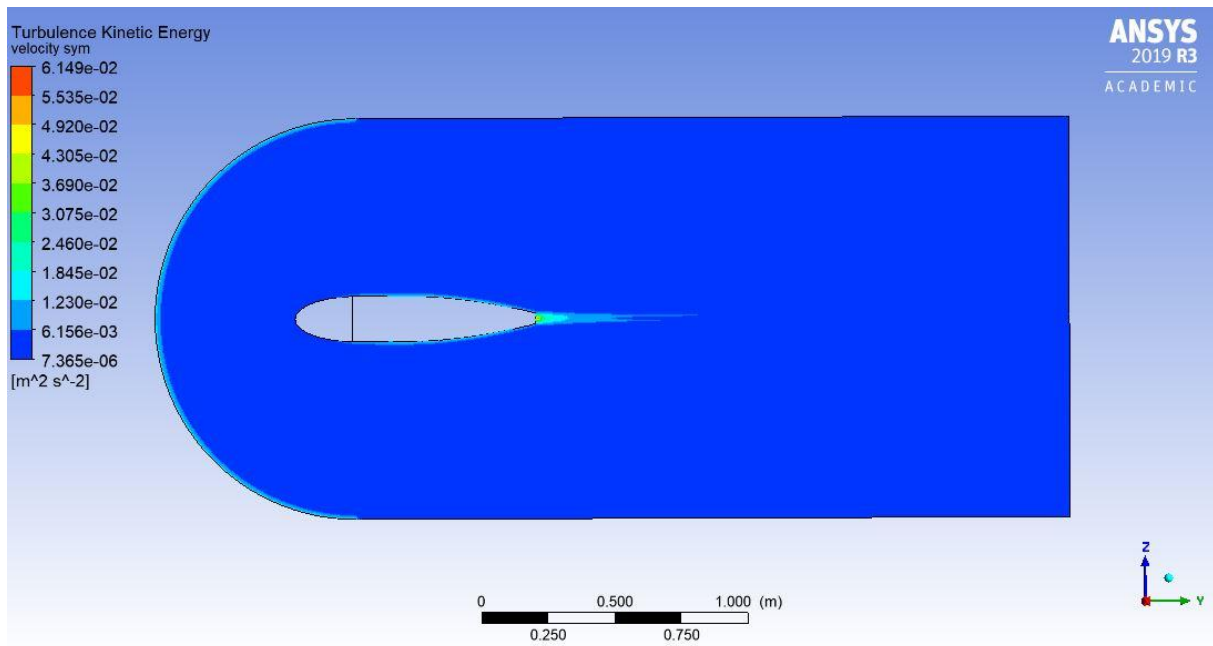


Figure 24: Turbulence 2.0 m/s reference model.

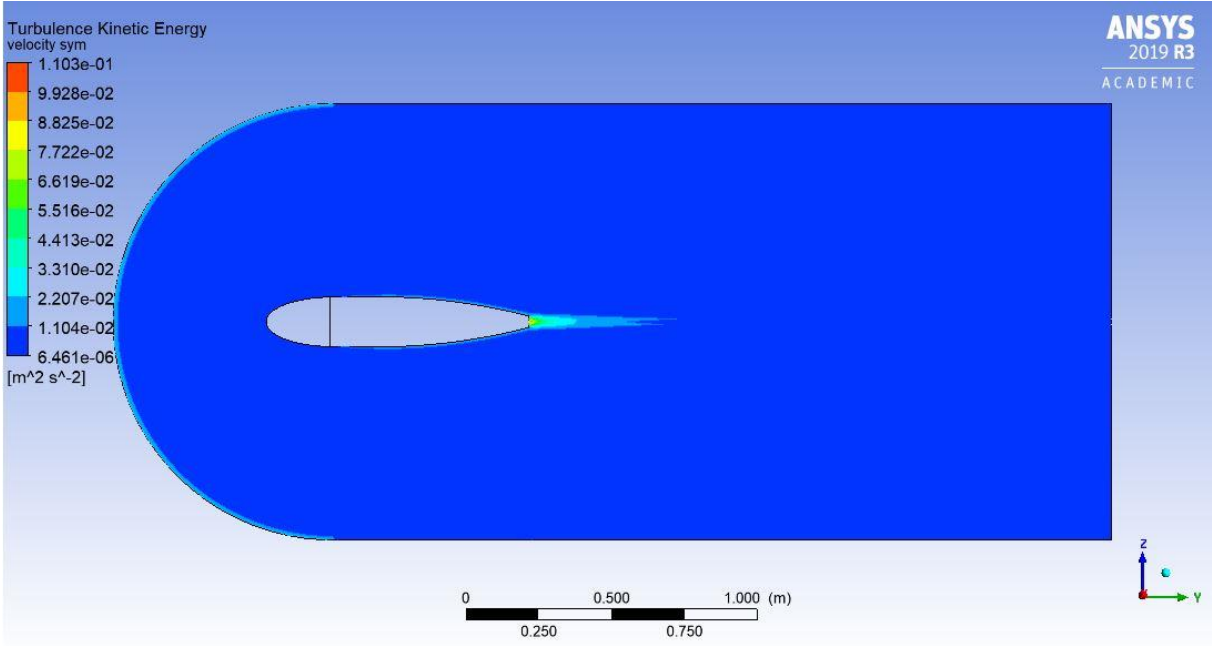


Figure 25: Turbulence 2.5 m/s reference model.

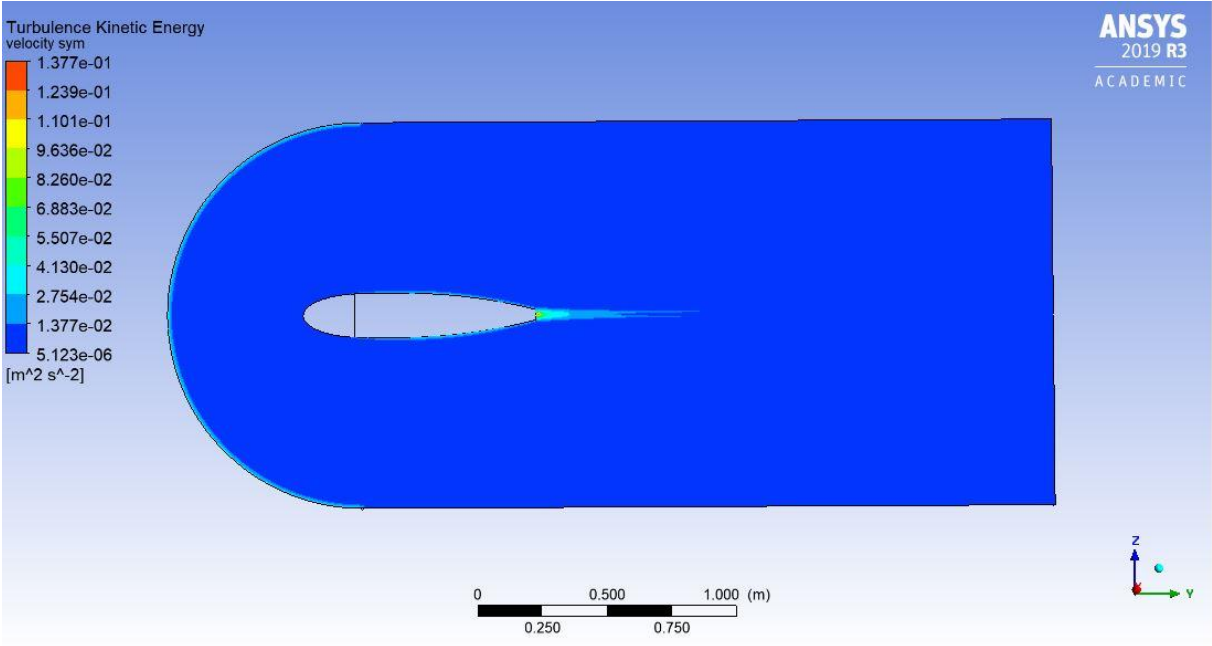


Figure 26: Turbulence 3.0 m/s reference model.

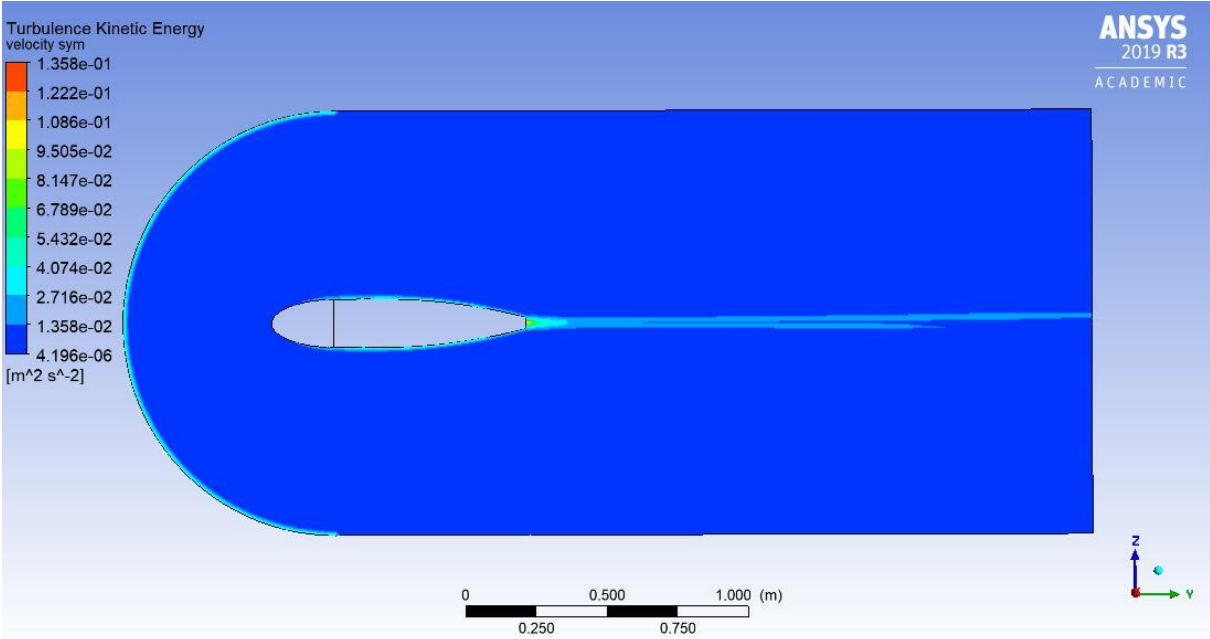


Figure 27: Turbulence 3.5 m/s reference model.

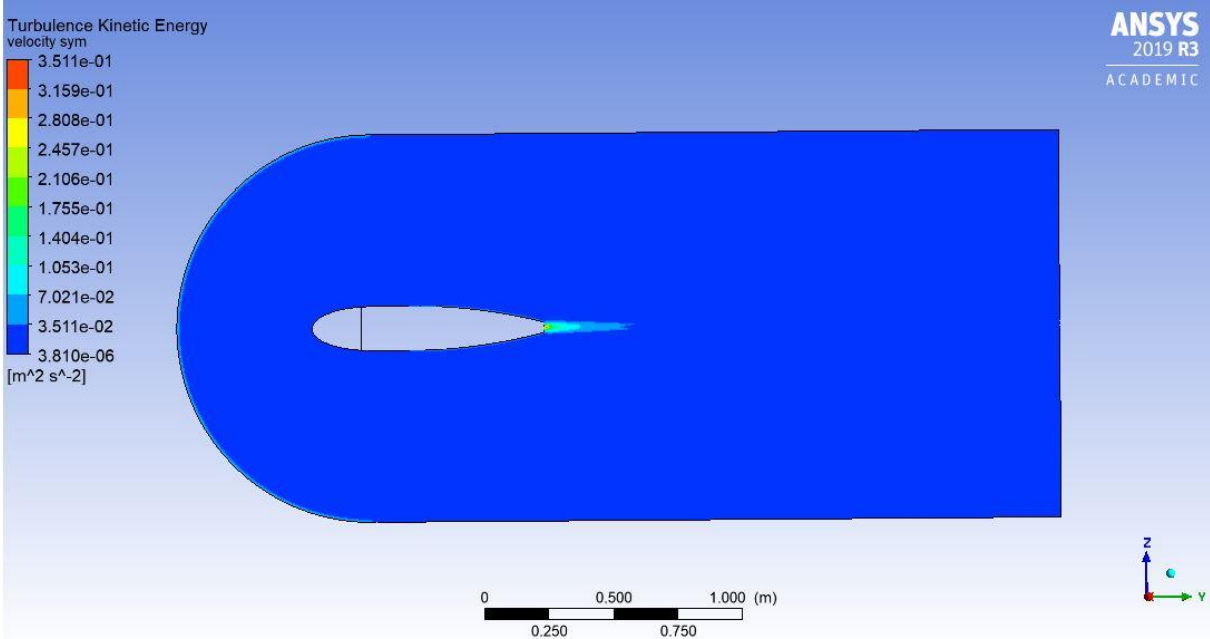


Figure 28: Turbulence 4.0 m/s reference model.

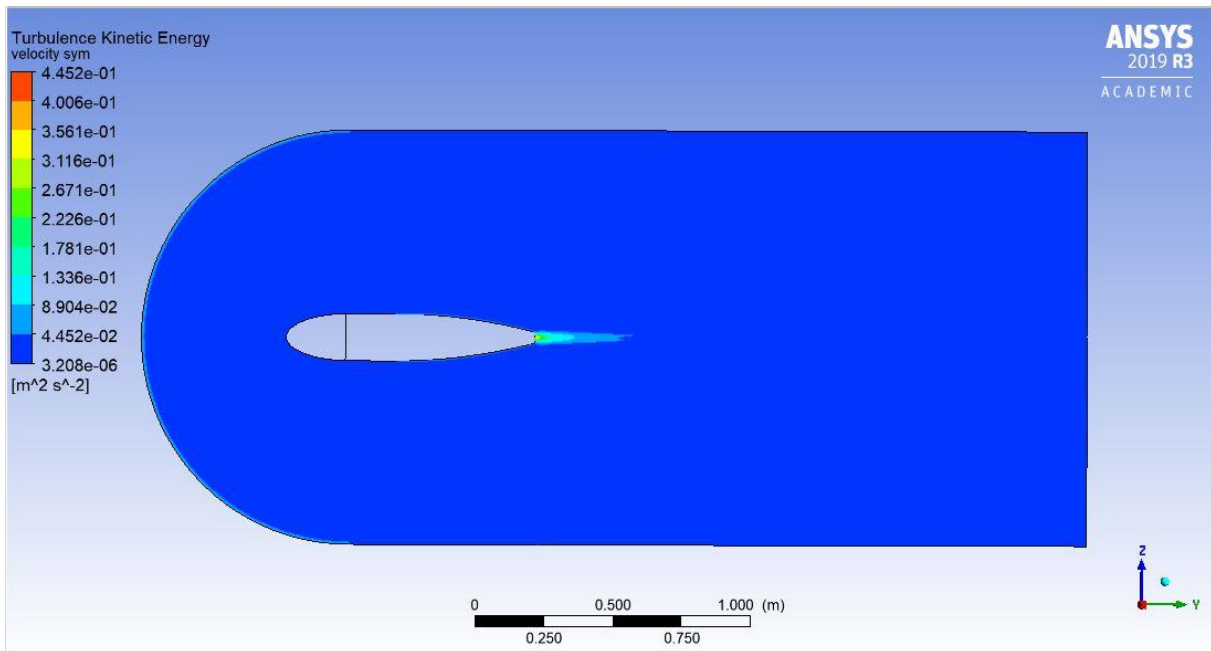


Figure 29: Turbulence 4.5 m/s reference model.

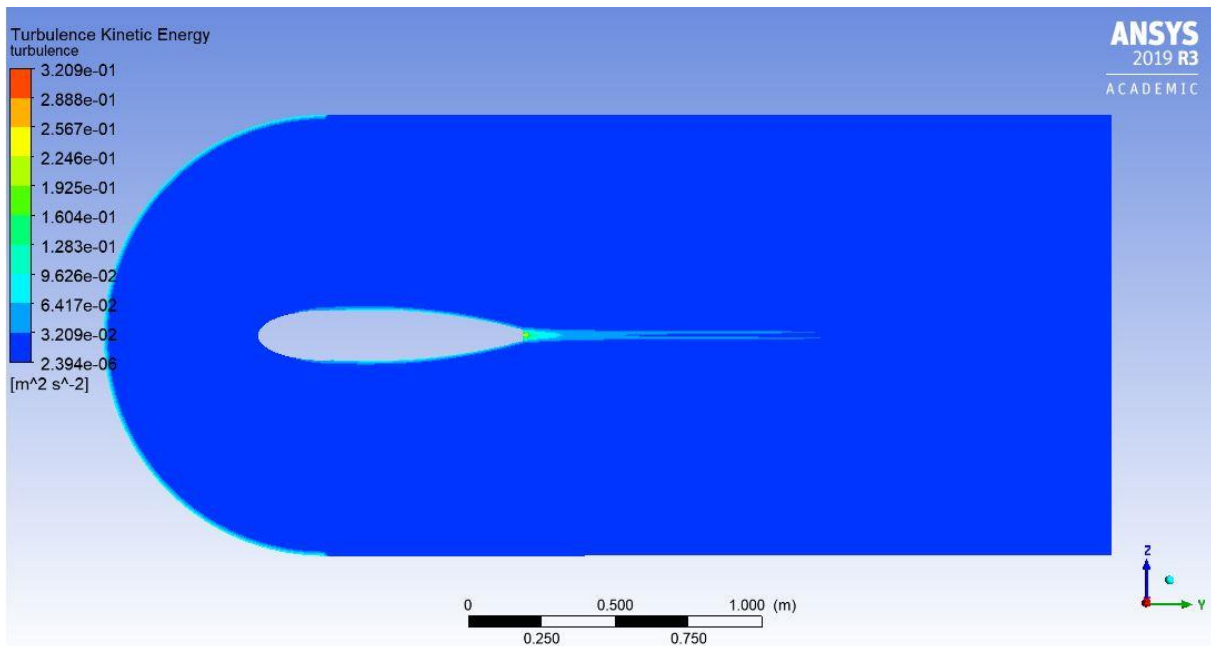


Figure 30: Turbulence 5.0 m/s reference model.

Hvaldimir

Velocities displayed on symmetry plane.

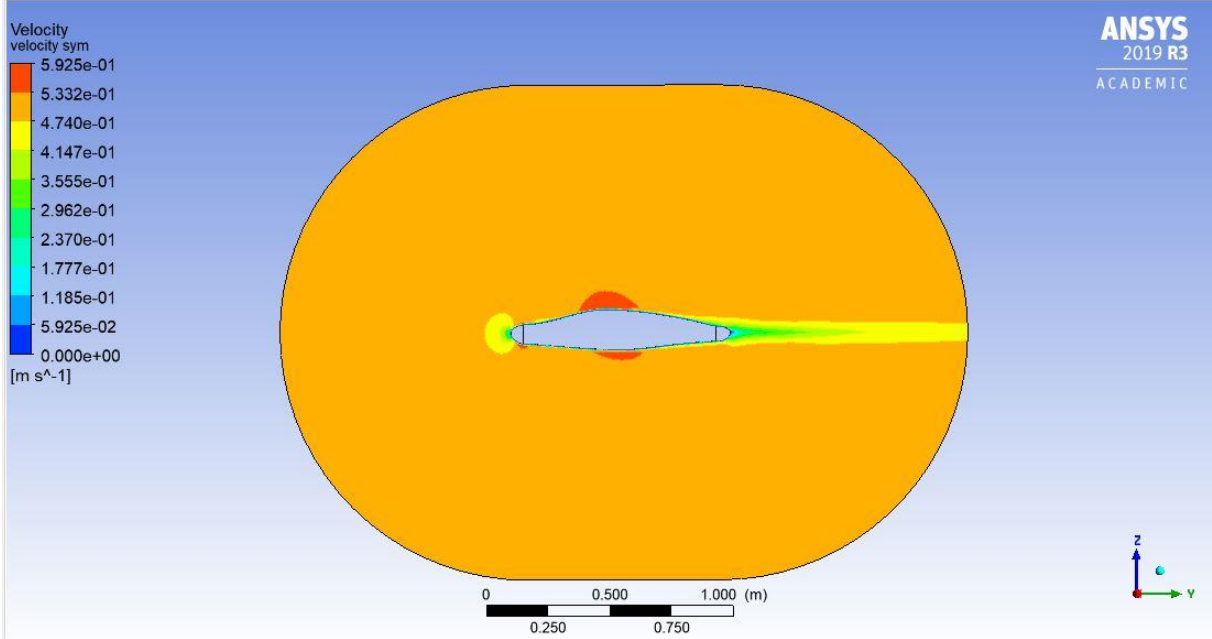


Figure 31: Velocity 0.5 m/s Hvaldimir.

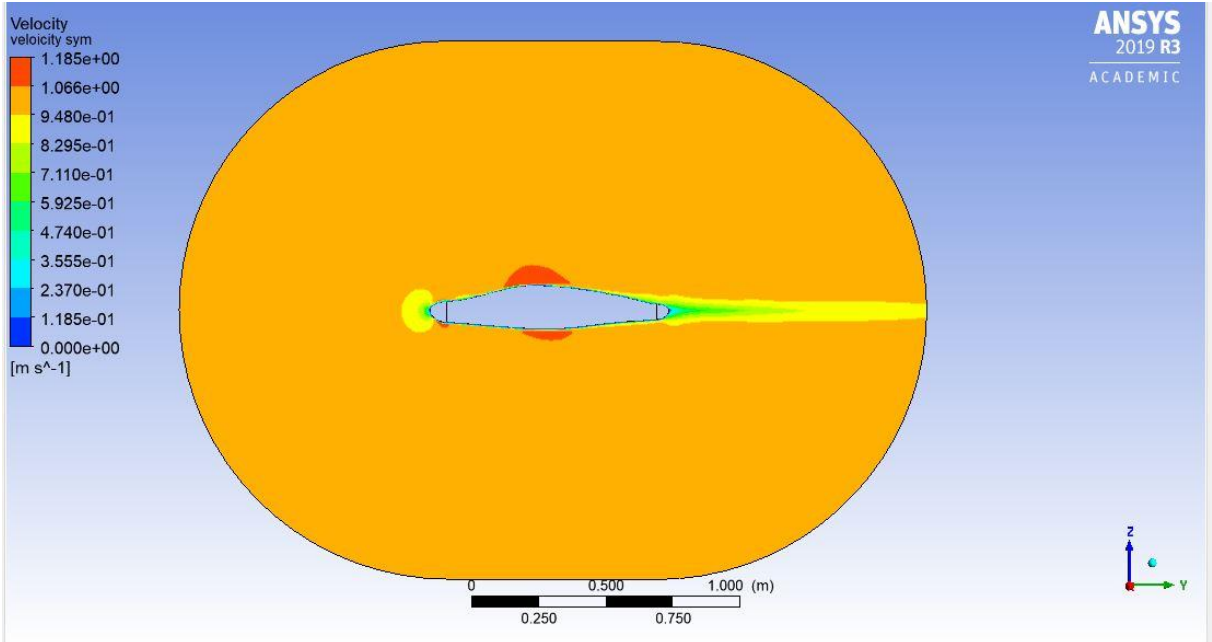


Figure 32: Velocity 1.0 m/s Hvaldimir.

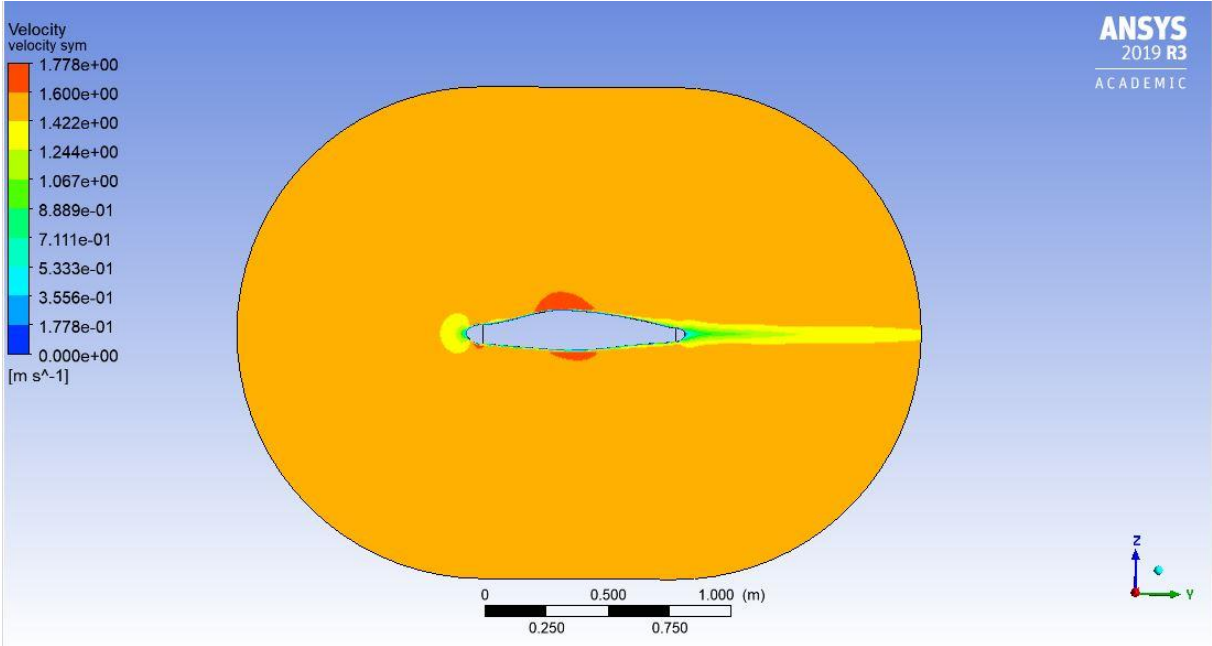


Figure 33: Velocity 1.5 m/s Hvaldimir.

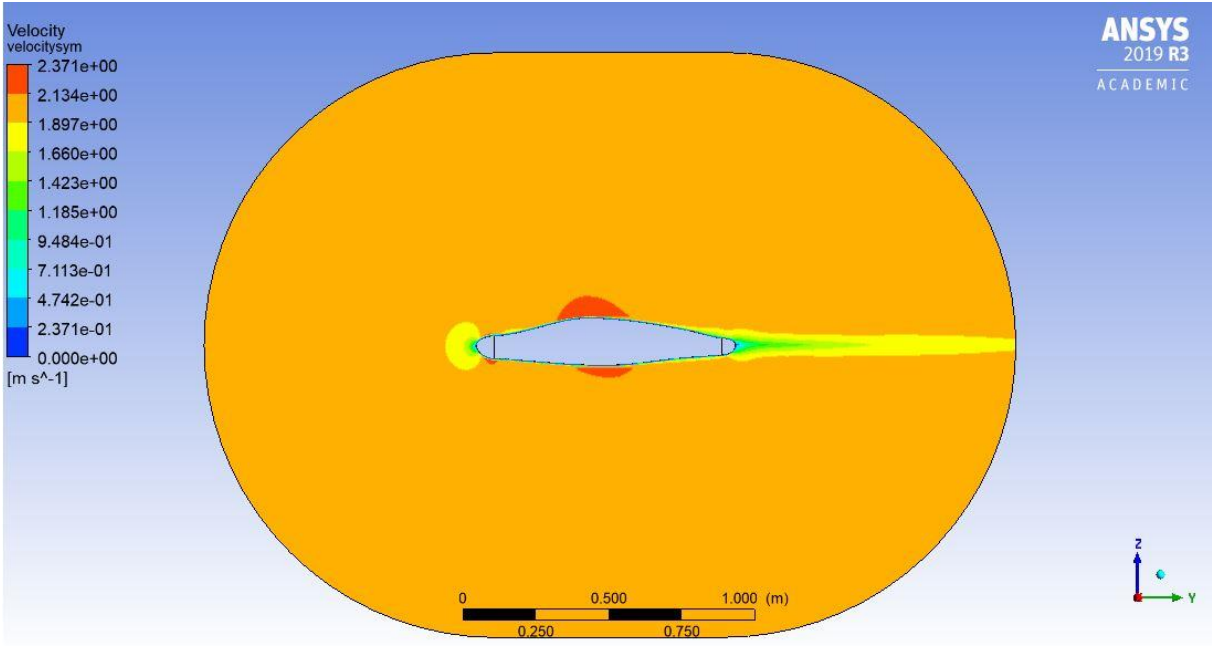


Figure 34: Velocity 2.0 m/s Hvaldimir.

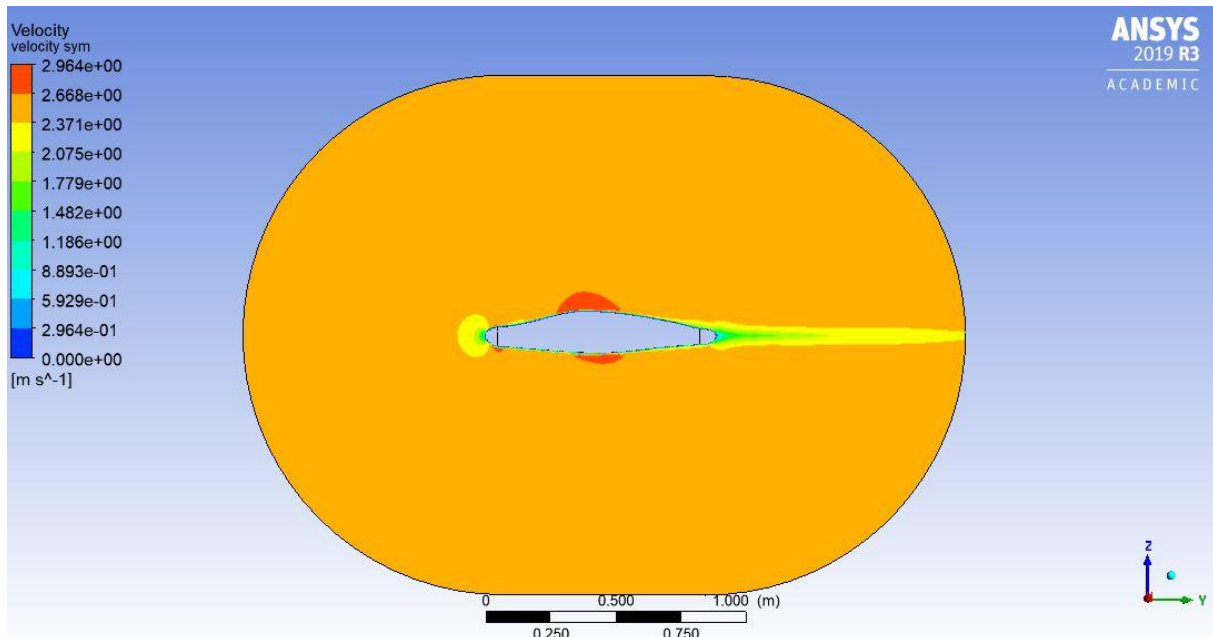


Figure 35: Velocity 2.5 m/s Hvaldimir.

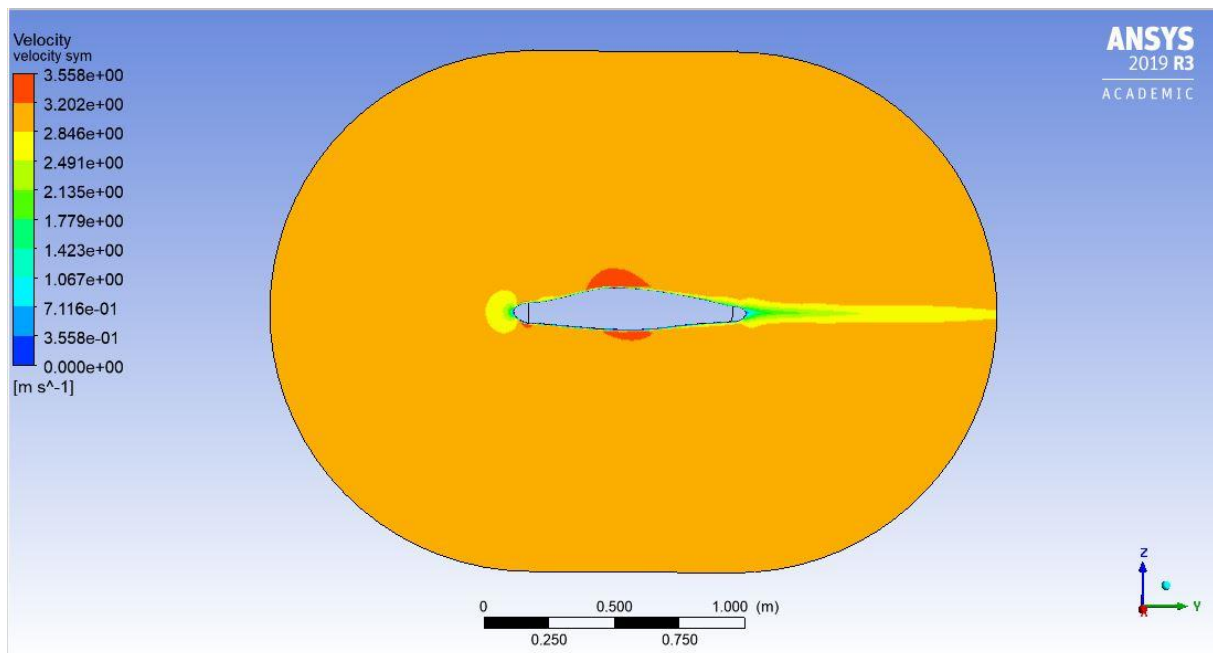


Figure 36: Velocity 3.0 m/s Hvaldimir.

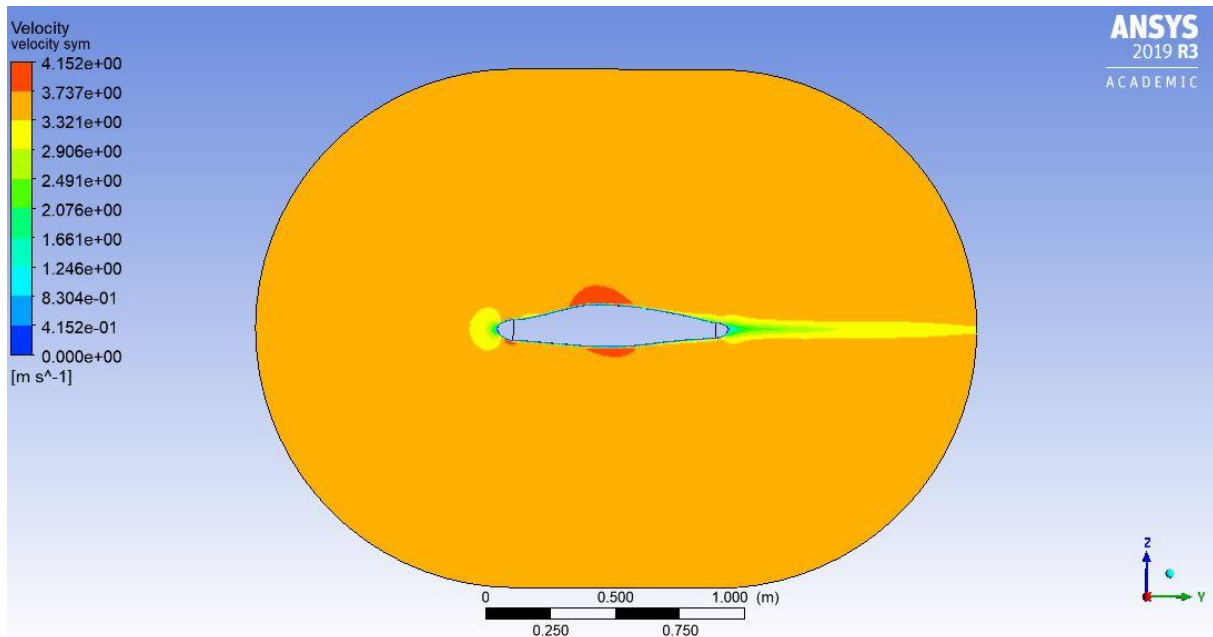


Figure 37: Velocity 3.5 m/s Hvaldimir.

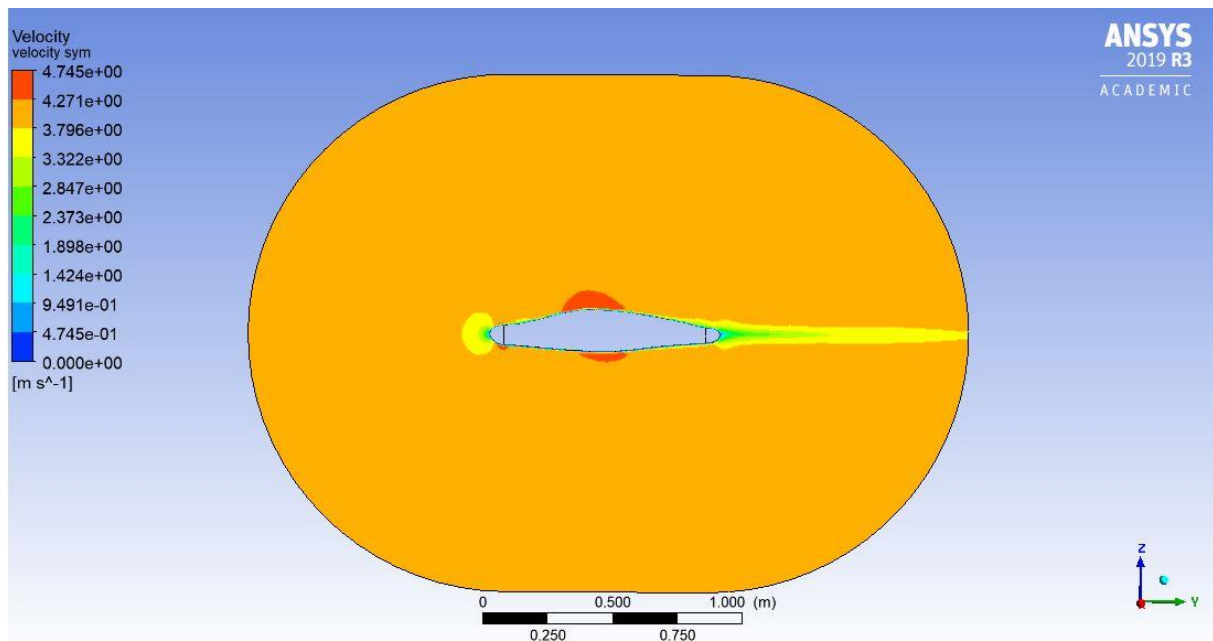


Figure 38: Velocity 4.0 m/s Hvaldimir.

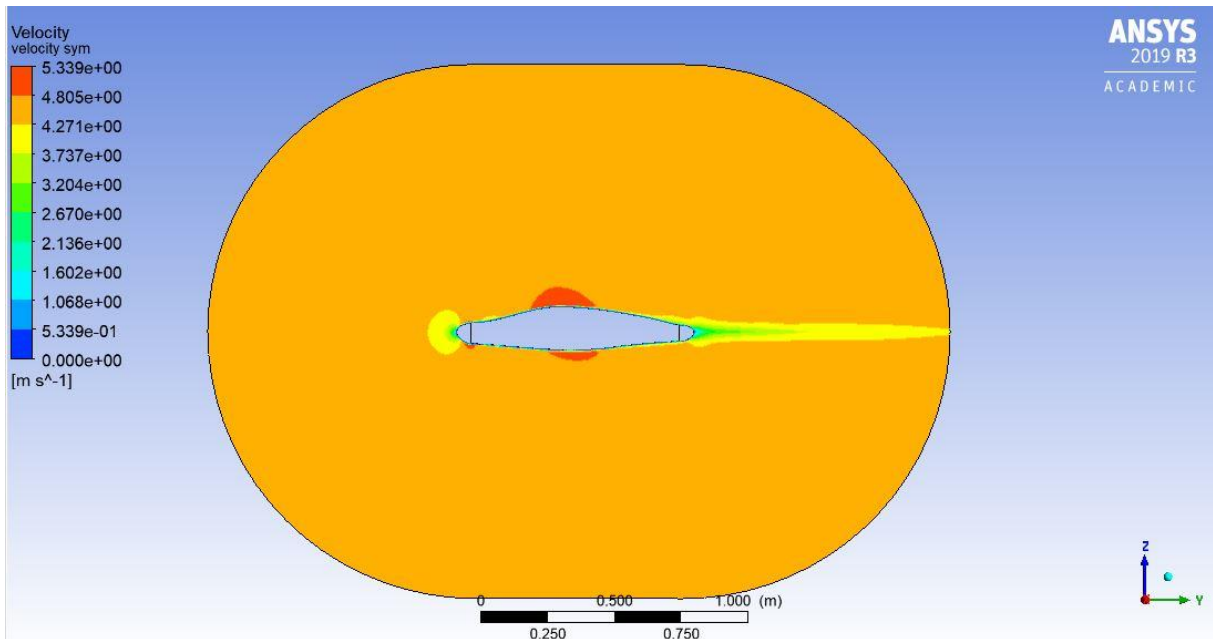


Figure 39: Velocity 4.5 m/s Hvaldimir.

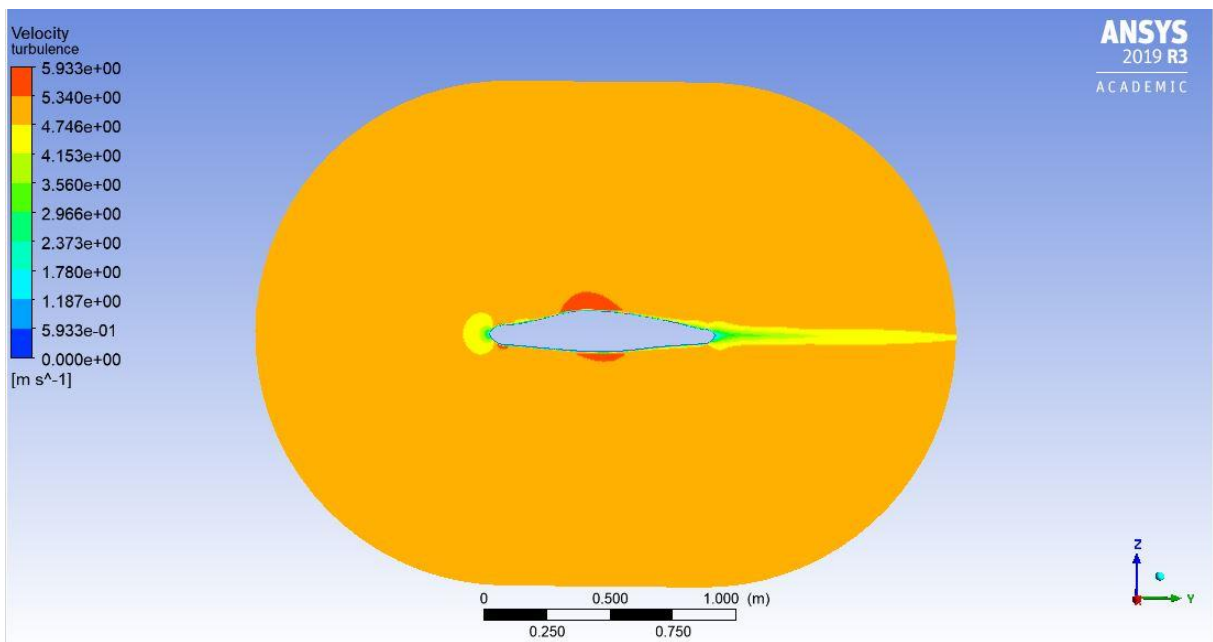


Figure 40: Velocity 5.0 m/s Hvaldimir.

Pressure displayed on symmetry plane

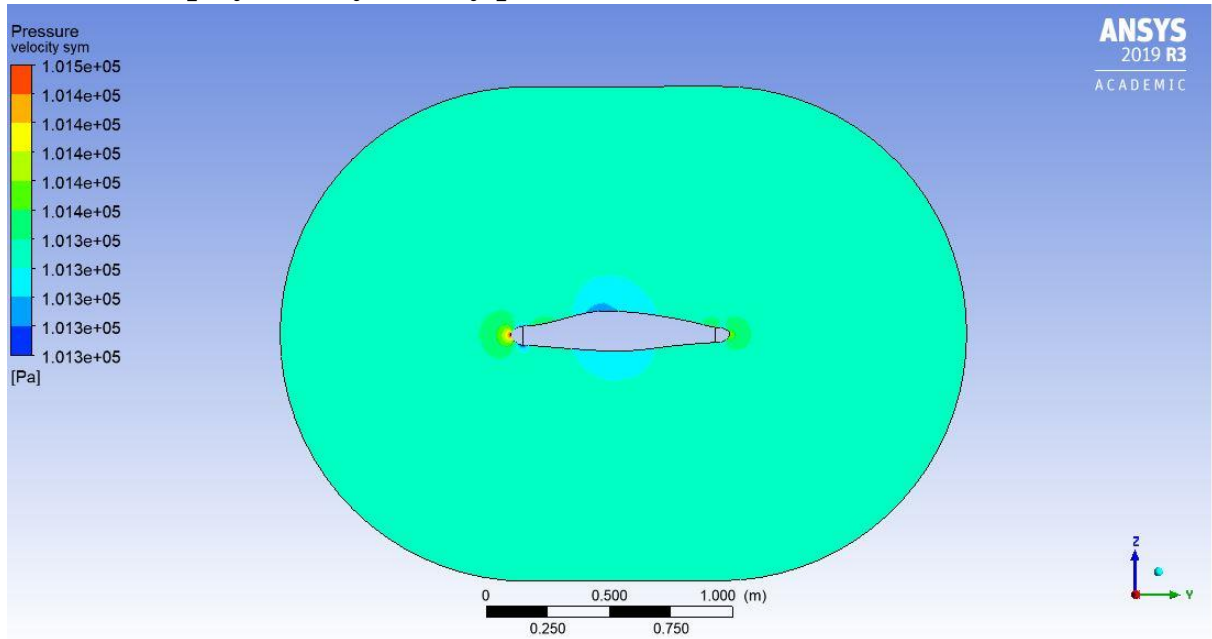


Figure 41: Pressure 0.5 m/s Hvaldimir.

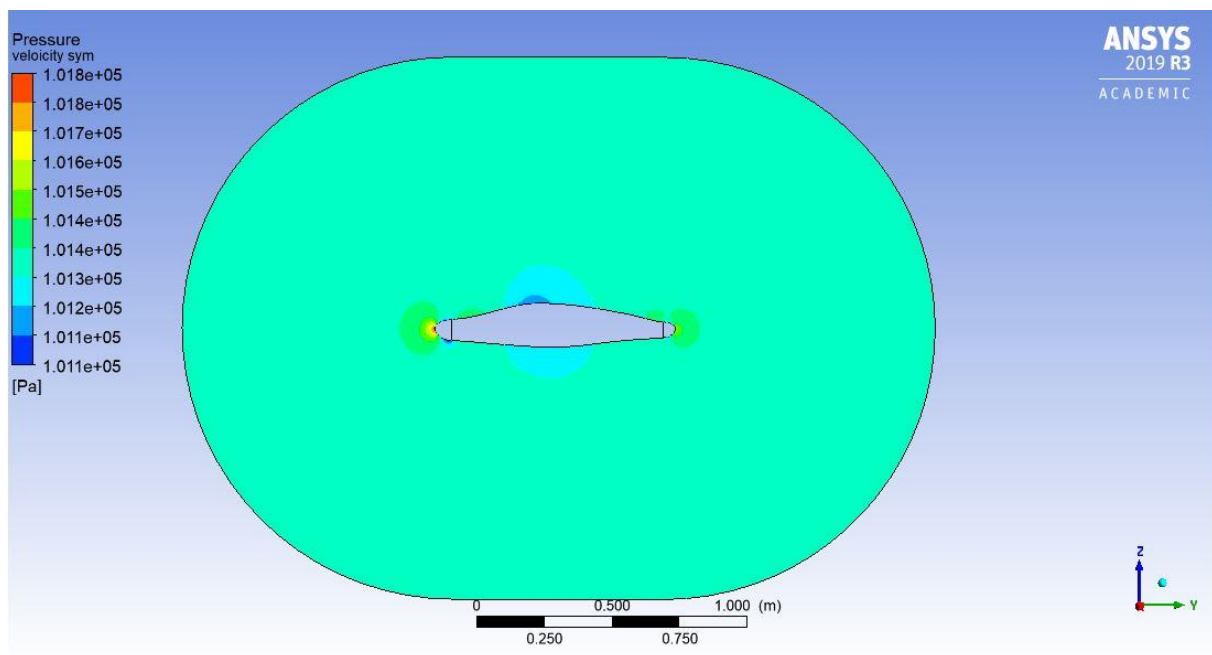


Figure 42: Pressure 1.0 m/s Hvaldimir.

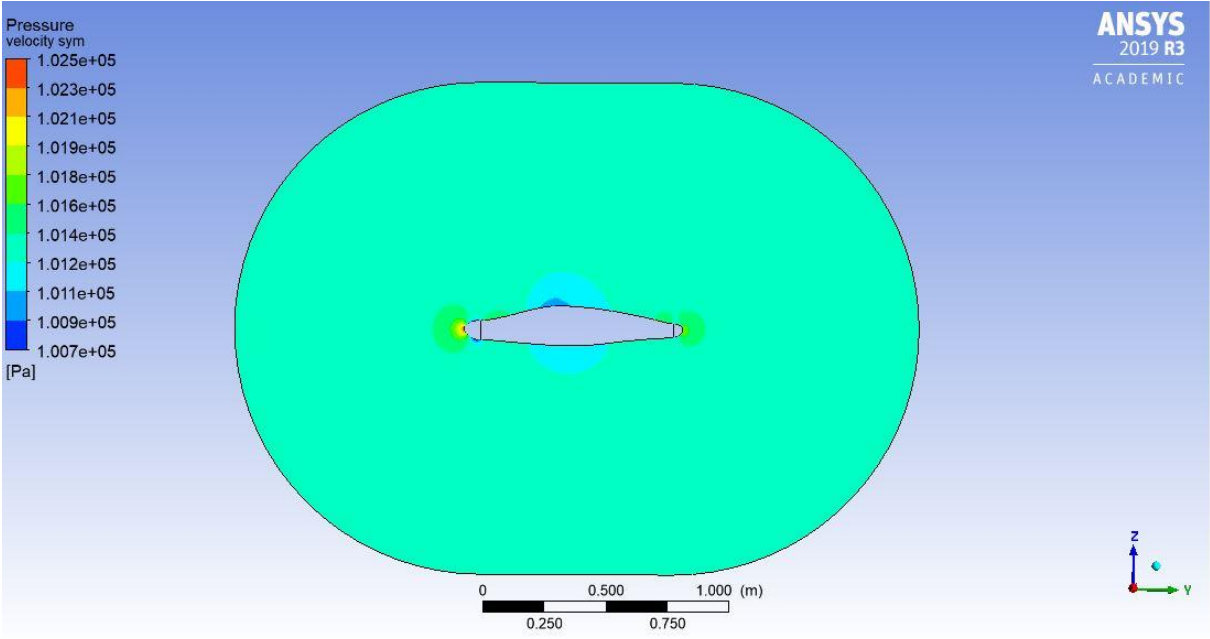


Figure 43: Pressure 1.5 m/s Hvaldimir.

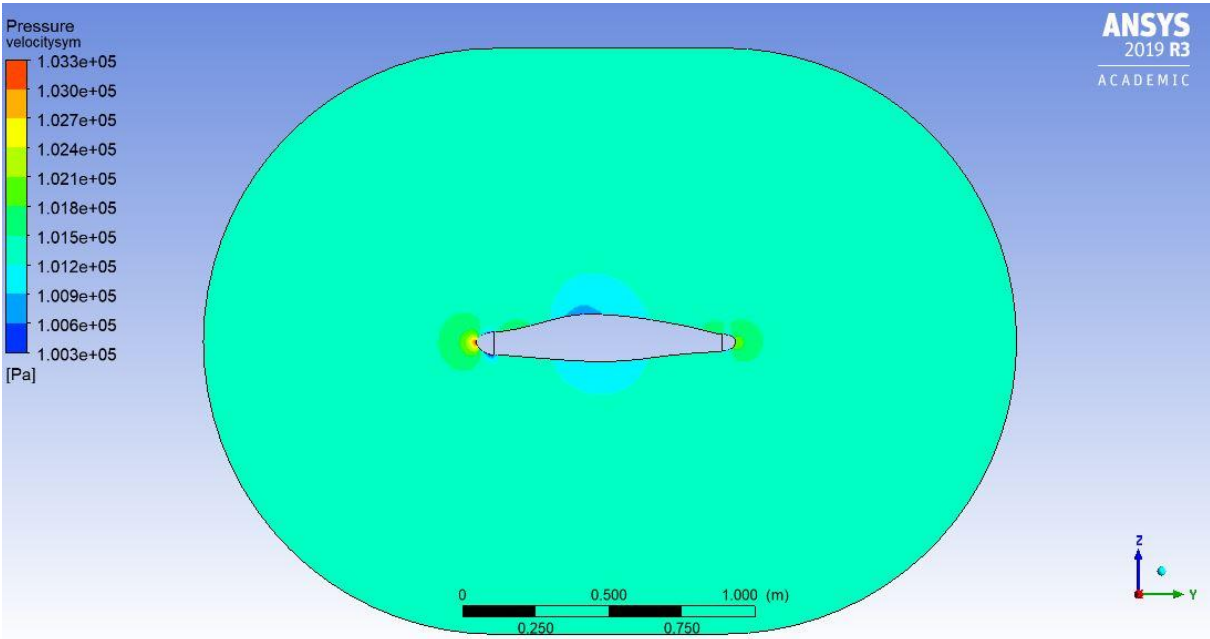


Figure 44: Pressure 2.0 m/s Hvaldimir.

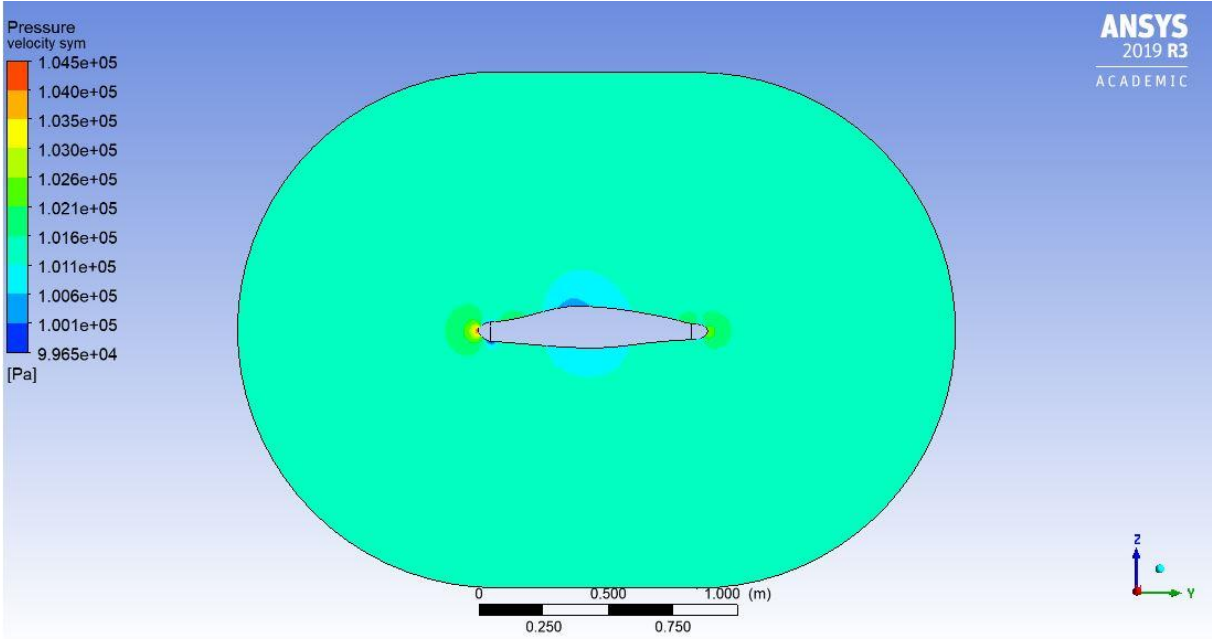


Figure 45: Pressure 2.5 m/s Hvaldimir.

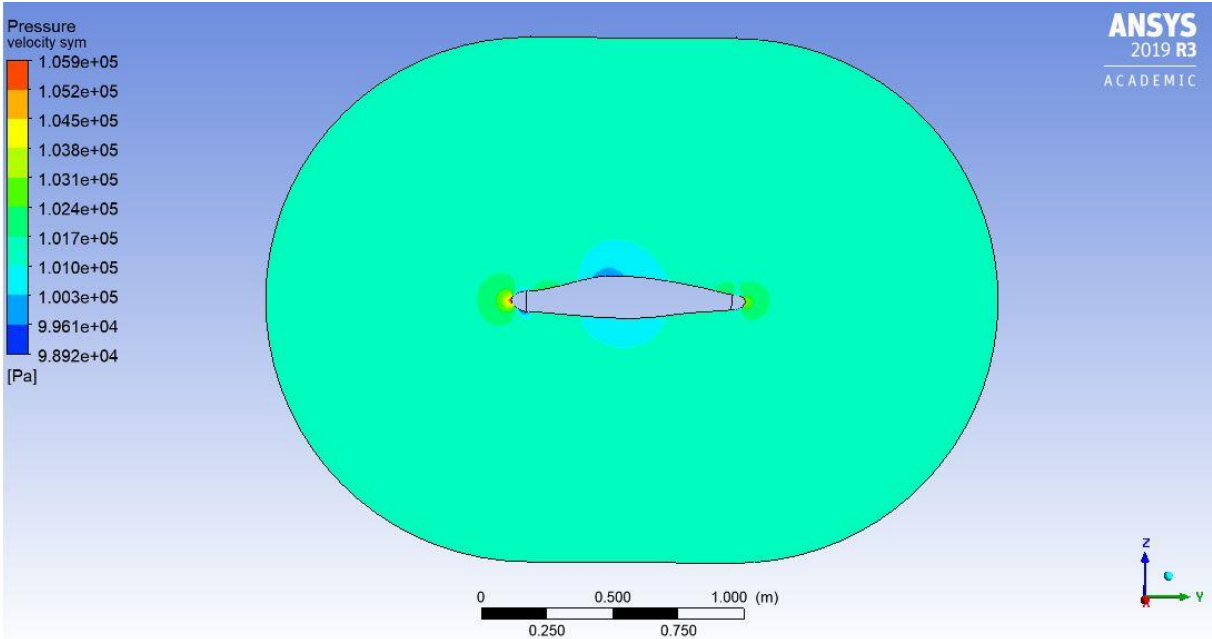


Figure 46: Pressure 3.0 m/s Hvaldimir.

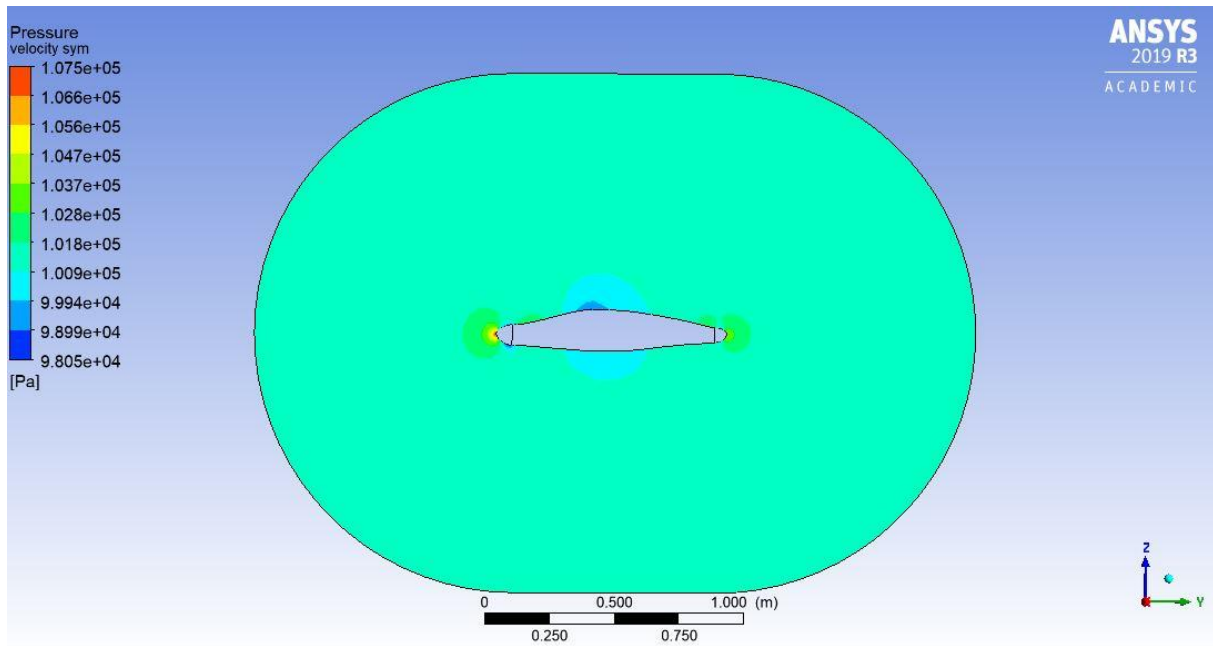


Figure 47: Pressure 3.5 m/s Hvaldimir.

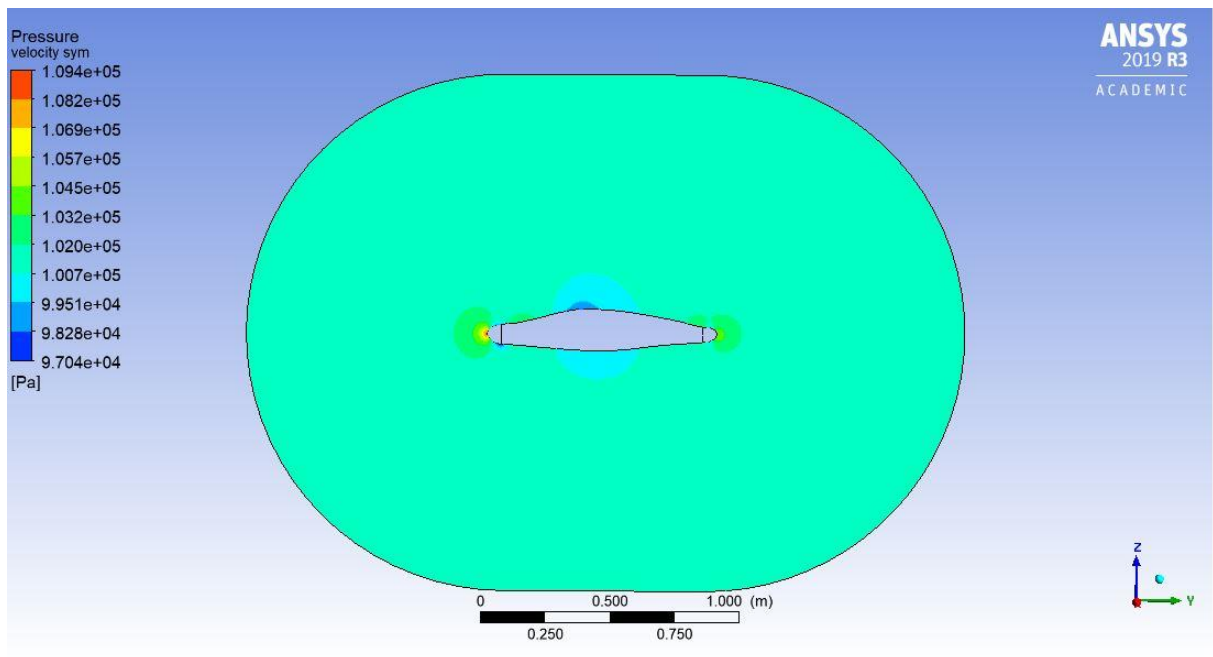


Figure 48: Pressure 4.0 m/s Hvaldimir.

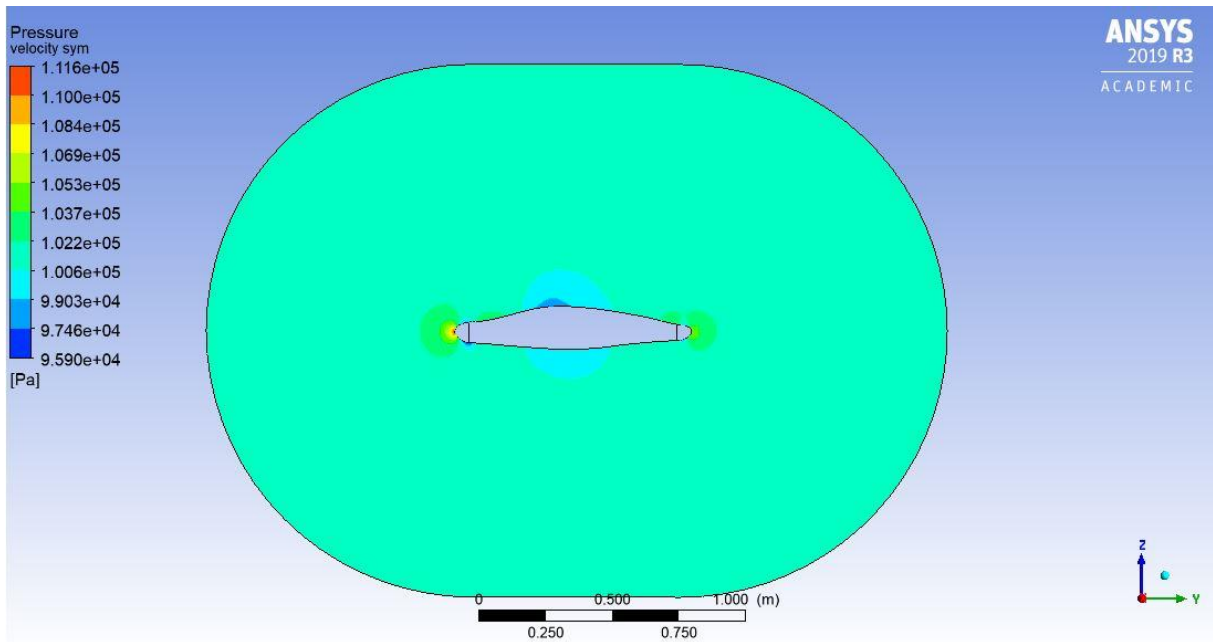


Figure 49: Pressure 4.5 m/s Hvaldimir.

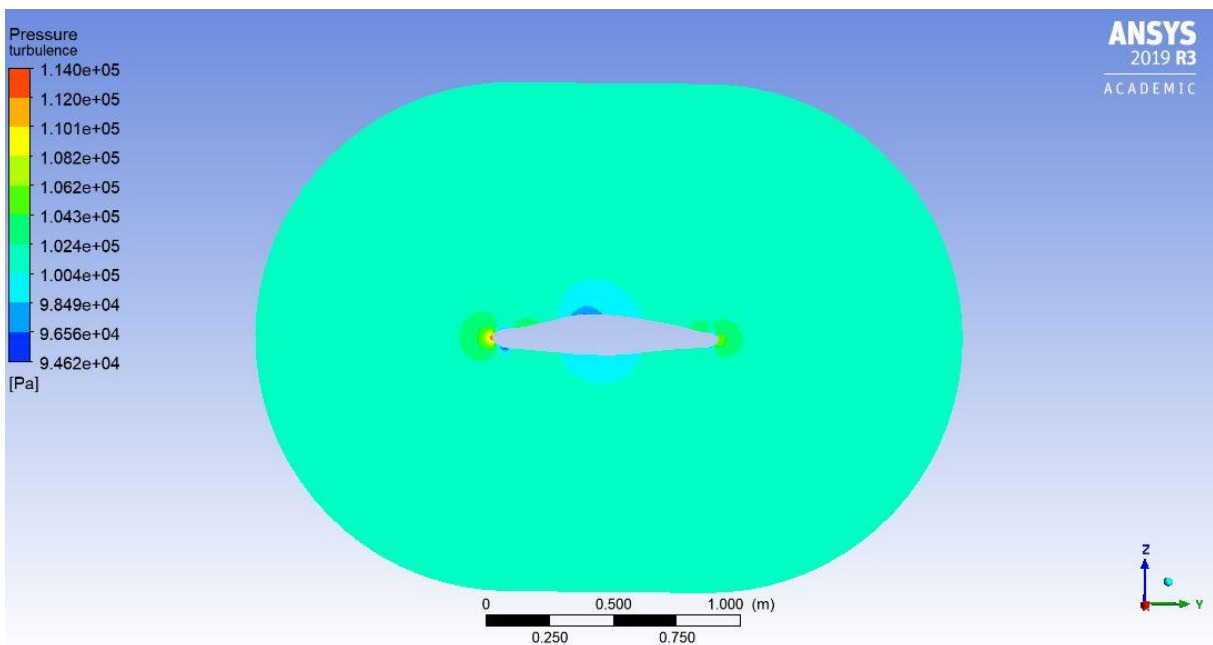


Figure 50: Pressure 5.0 m/s Hvaldimir.

Turbulence displayed on Symmetry plane

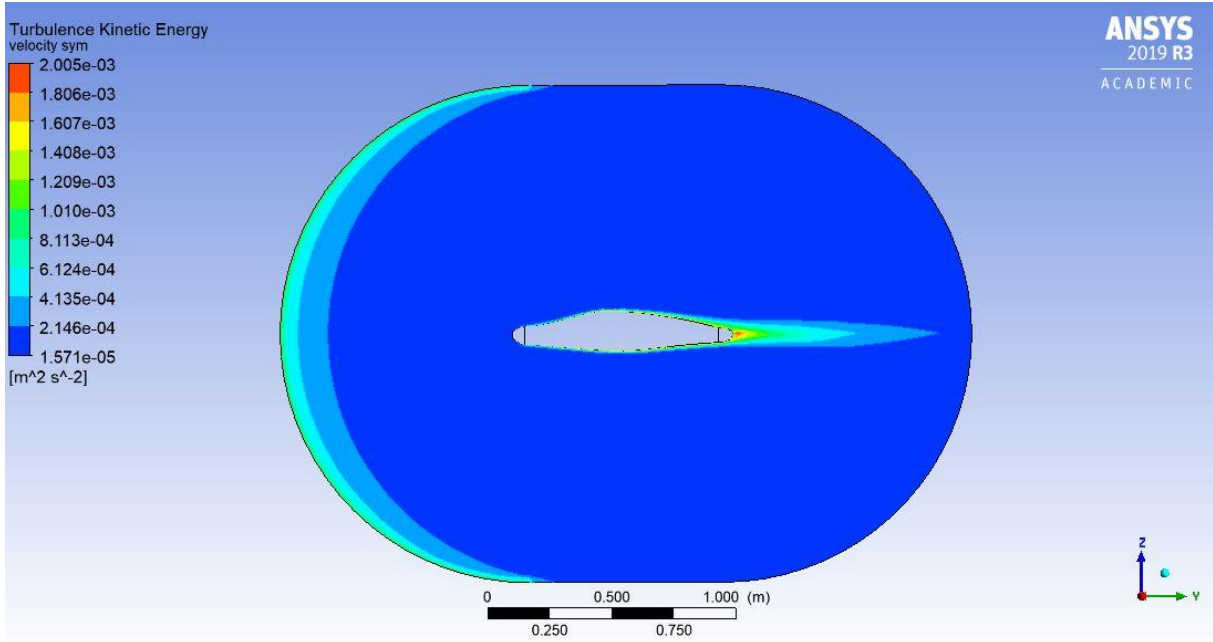


Figure 51: Turbulence 0.5 m/s Hvaldimir.

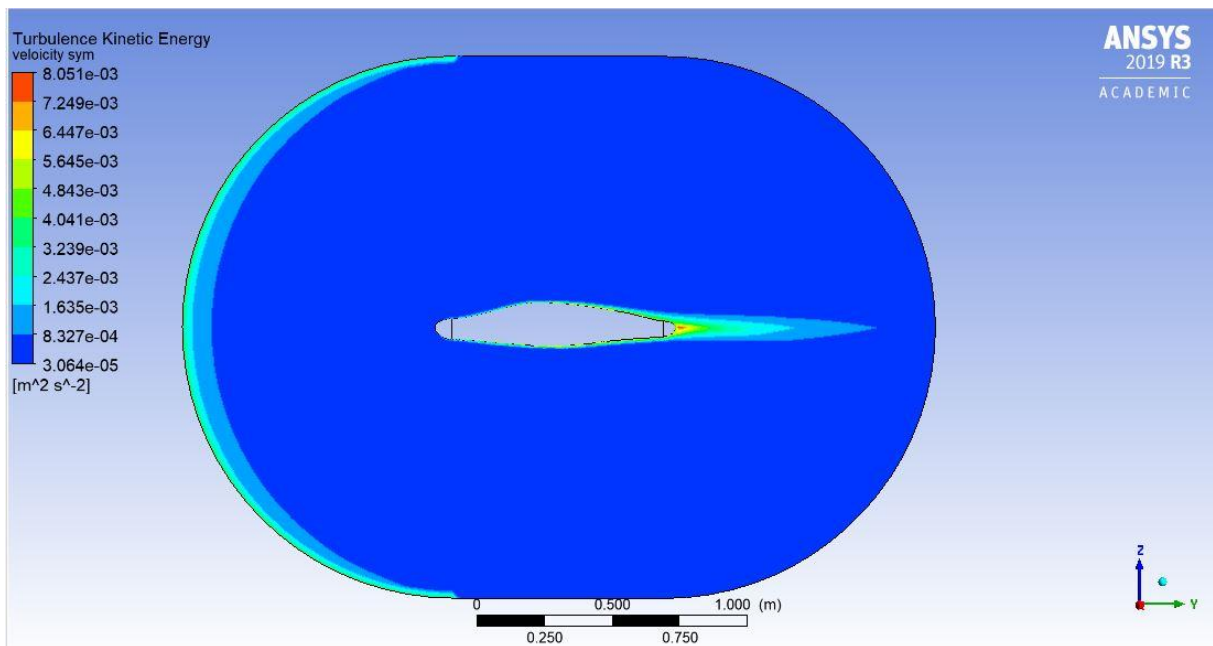


Figure 52: Turbulence 1.0 m/s Hvaldimir.

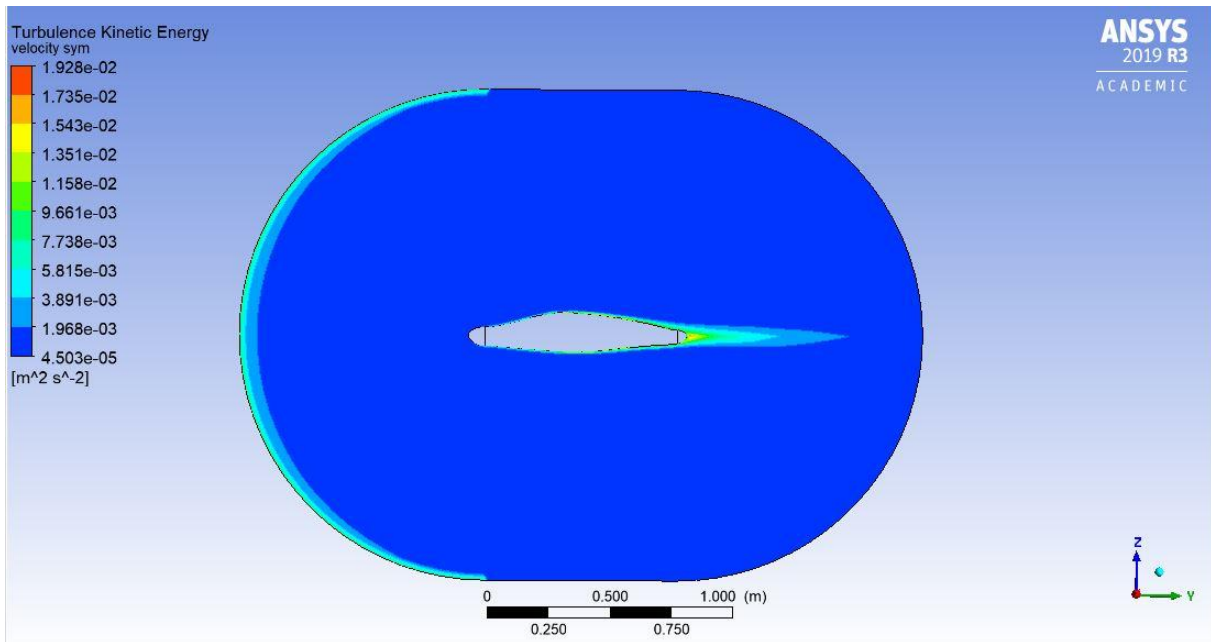


Figure 53: turbulence 1.5 m/s Hvaldimir.

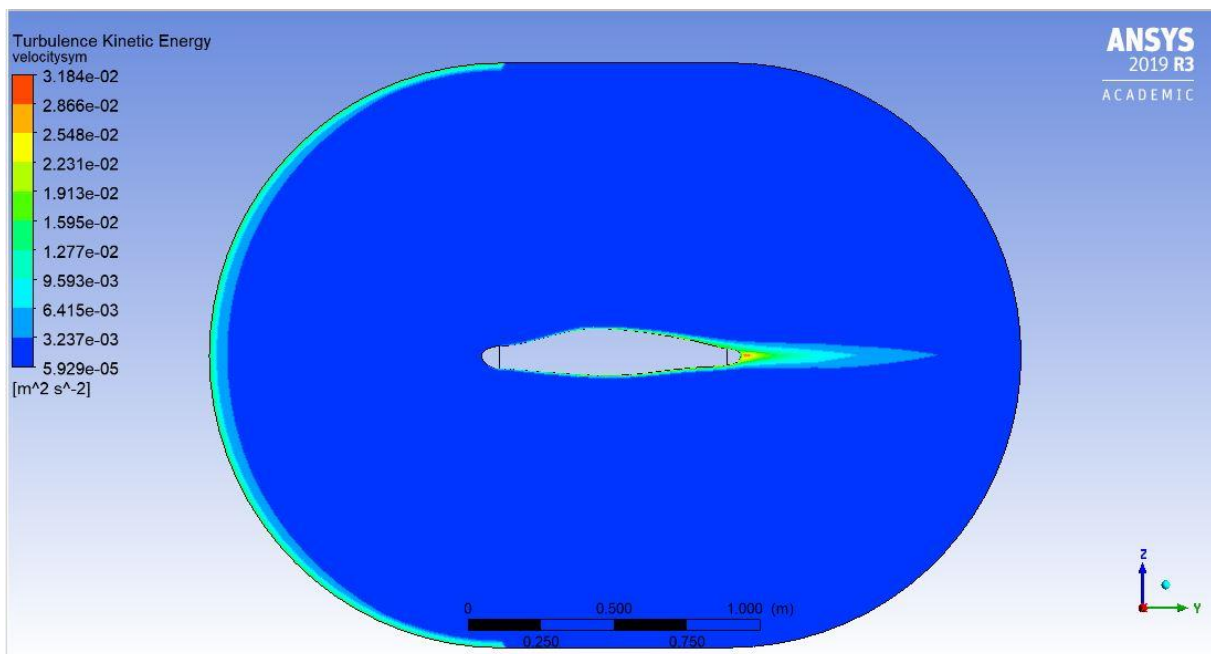


Figure 54: Turbulence 2.0 m/s Hvaldimir.

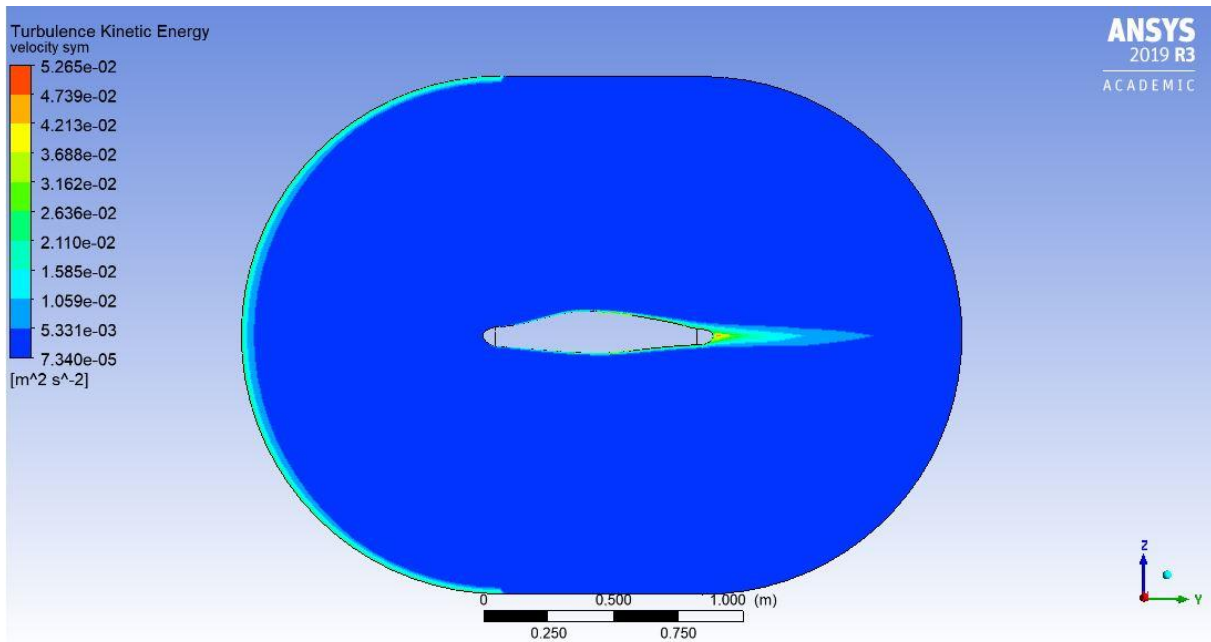


Figure 55: Turbulence 2.5 m/s Hvaldimir.

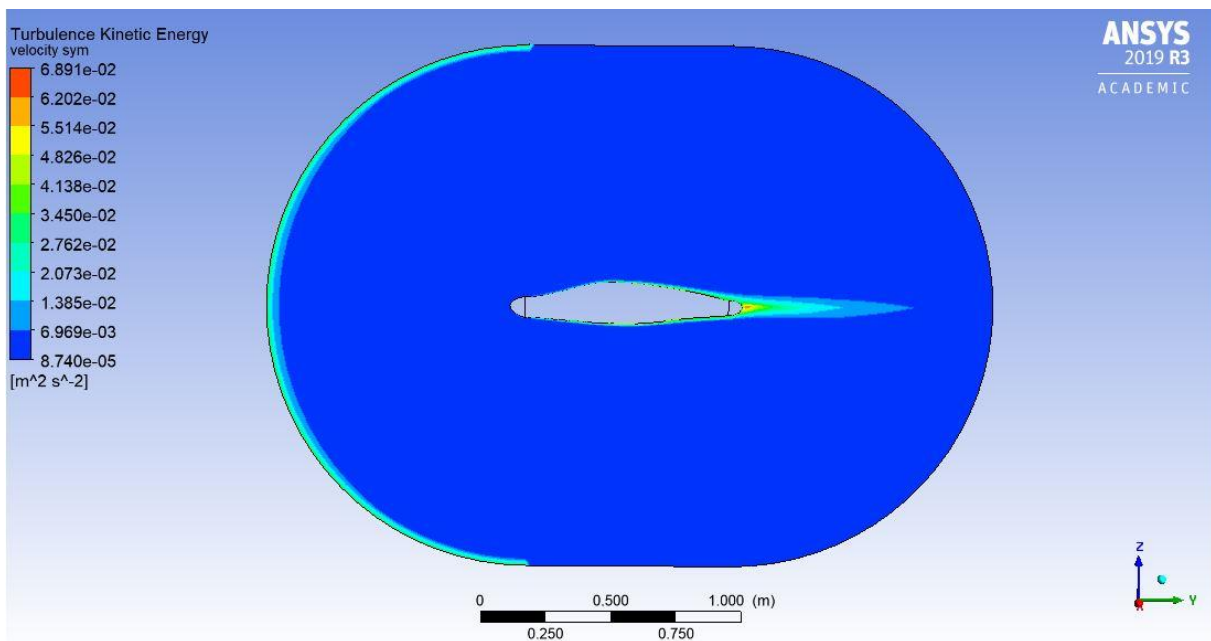


Figure 56: Turbulence 3.0 m/s Hvaldimir.

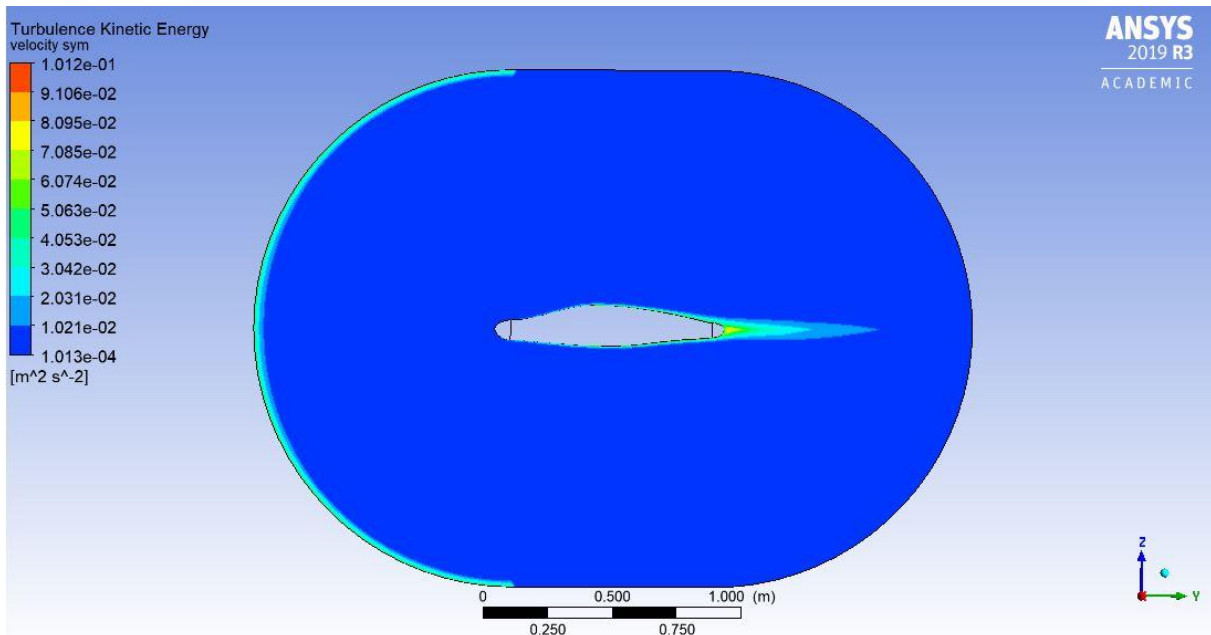


Figure 57: Turbulence 3.5 m/s Hvaldimir.

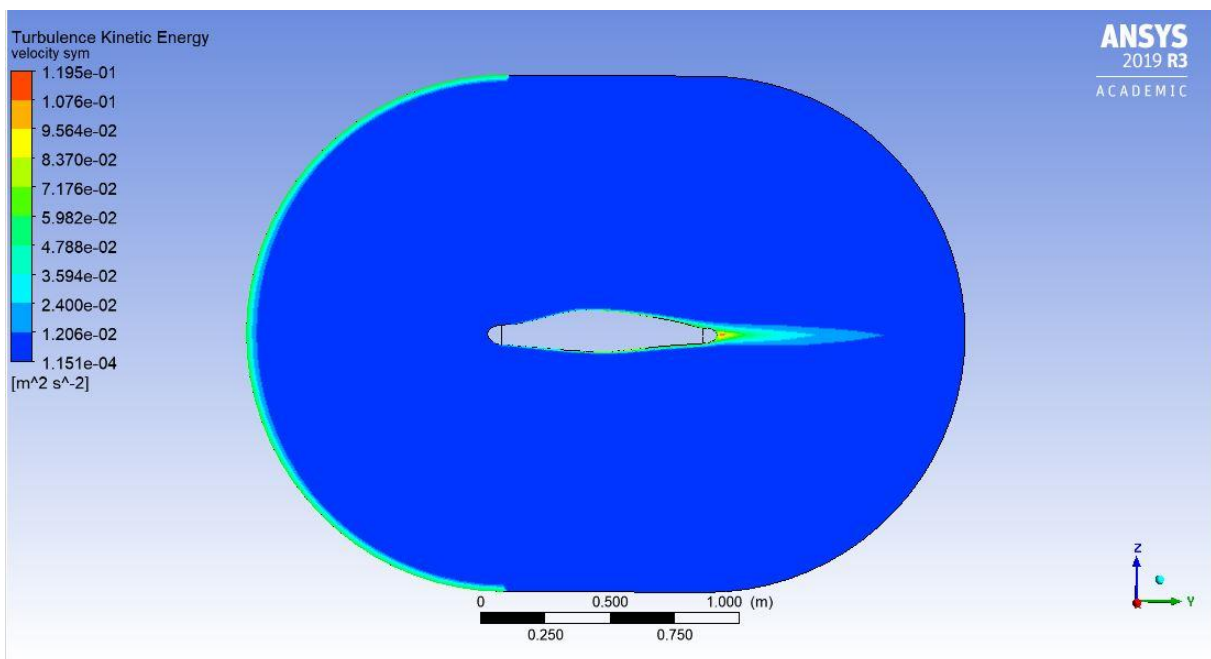


Figure 58: Turbulence 4.0 m/s Hvaldimir.

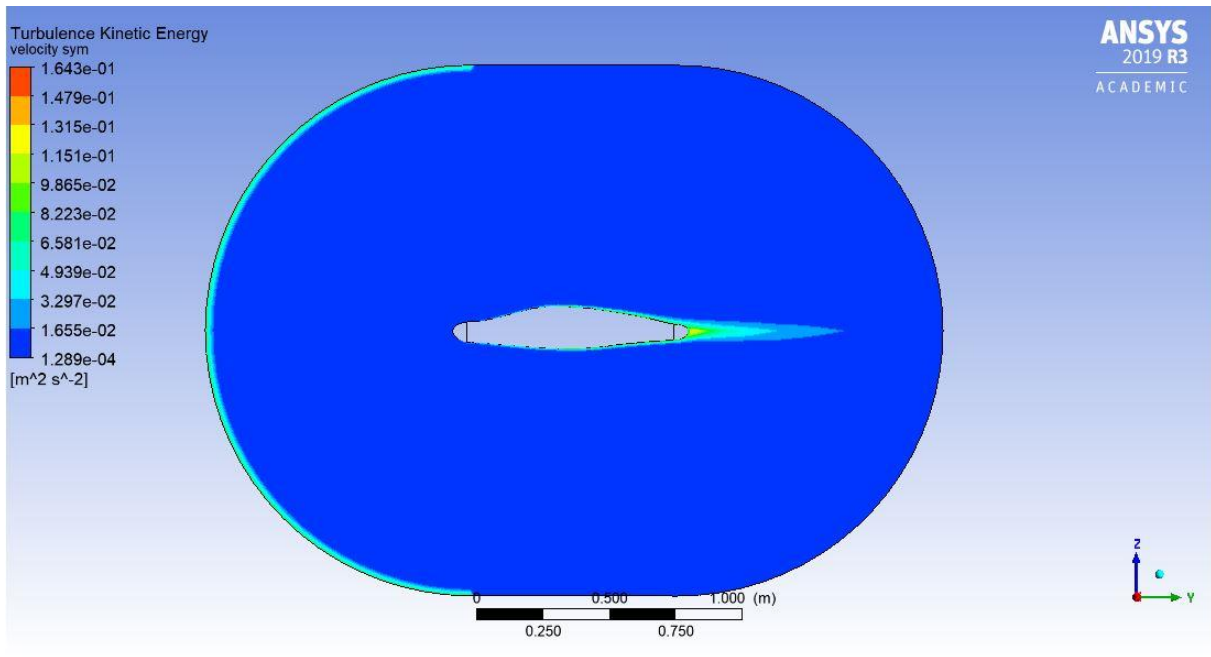


Figure 59: Turbulence 4.5 m/s Hvaldimir.

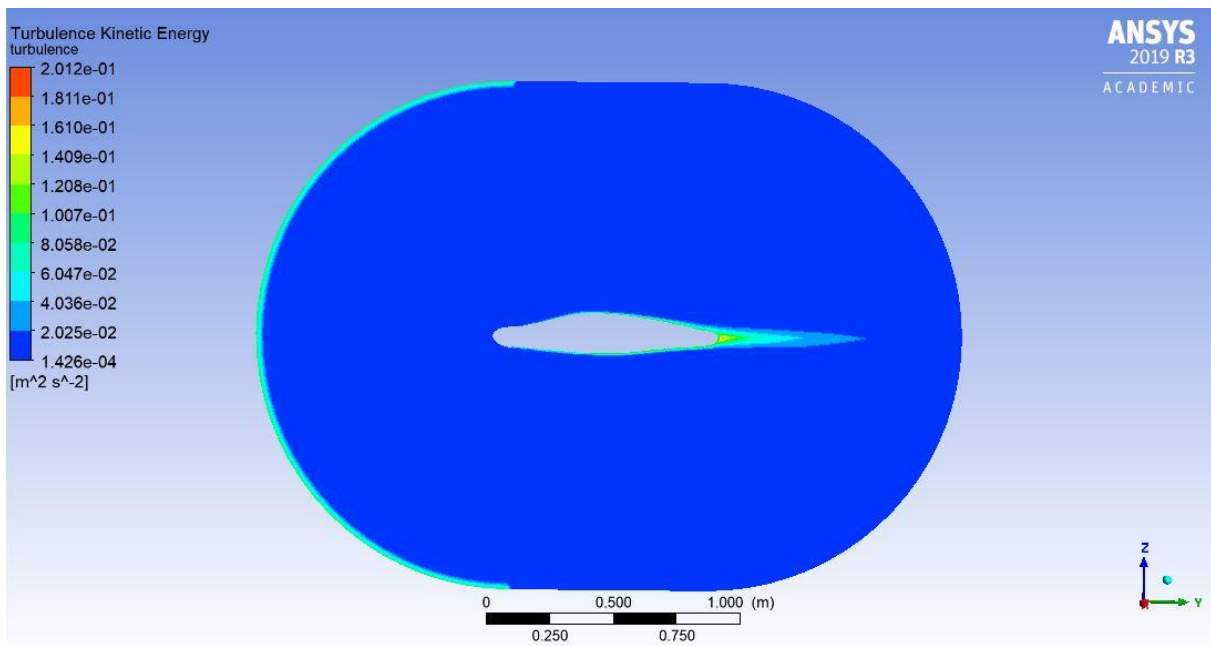


Figure 60: Turbulence 5.0 m/s Hvaldimir.

Cylinder reference shape

Velocities displayed on symmetry plane

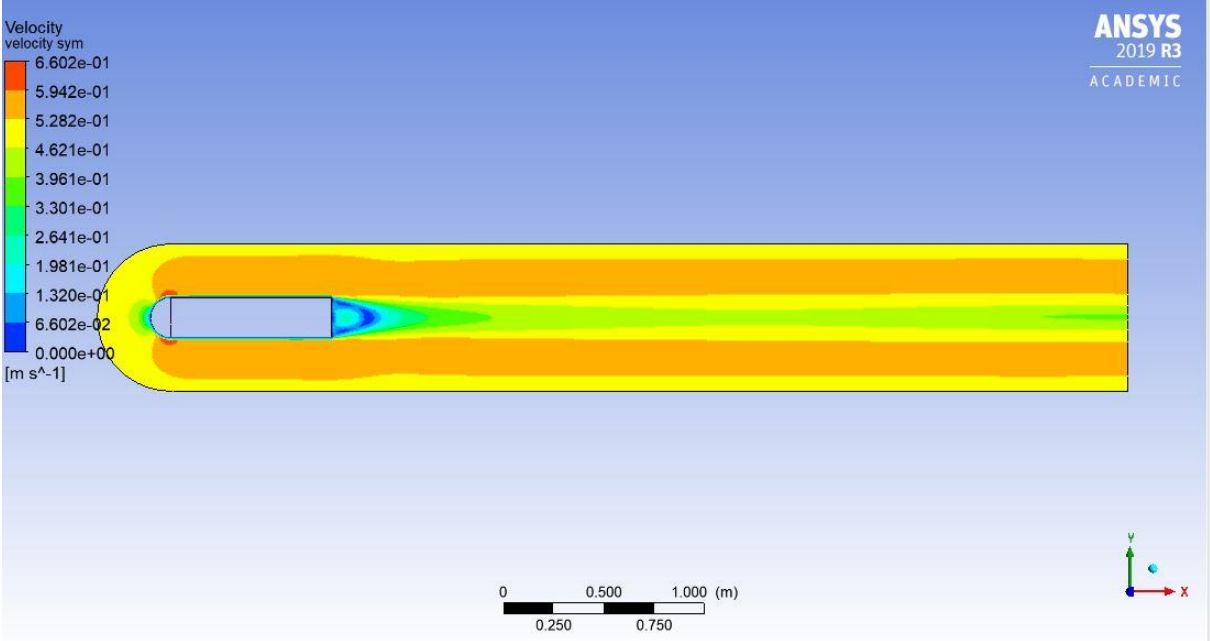


Figure 61: Velocity 0.5 m/s Cylinder.

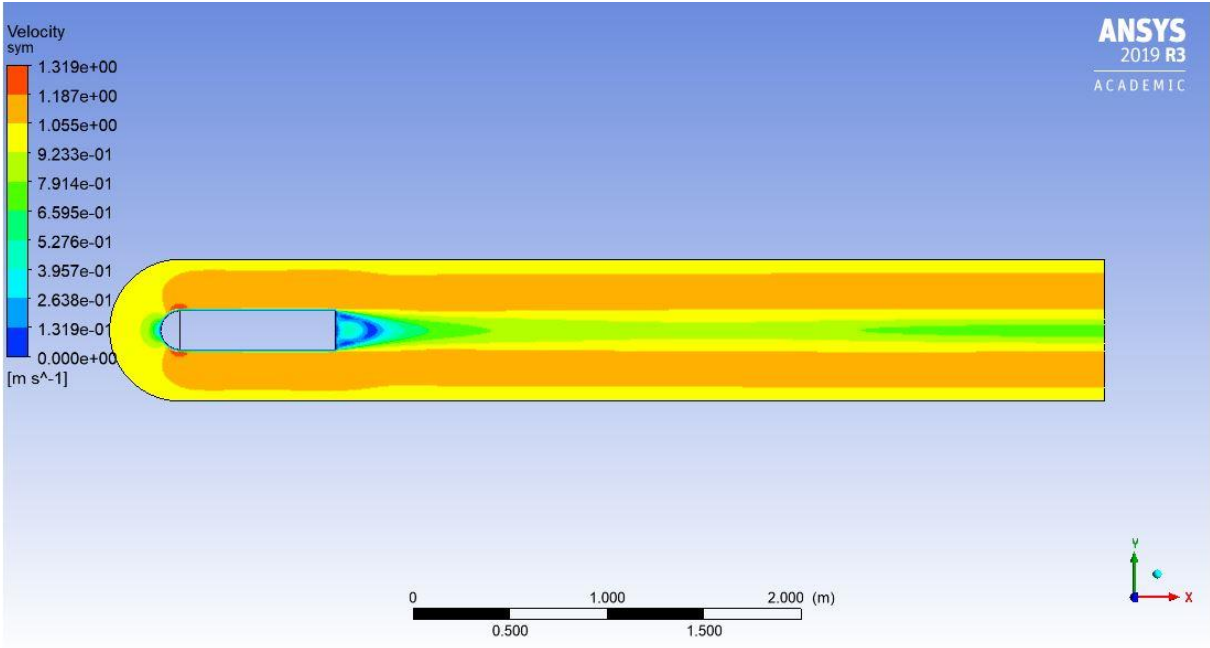


Figure 62: Velocity 1.0 m/s Cylinder.

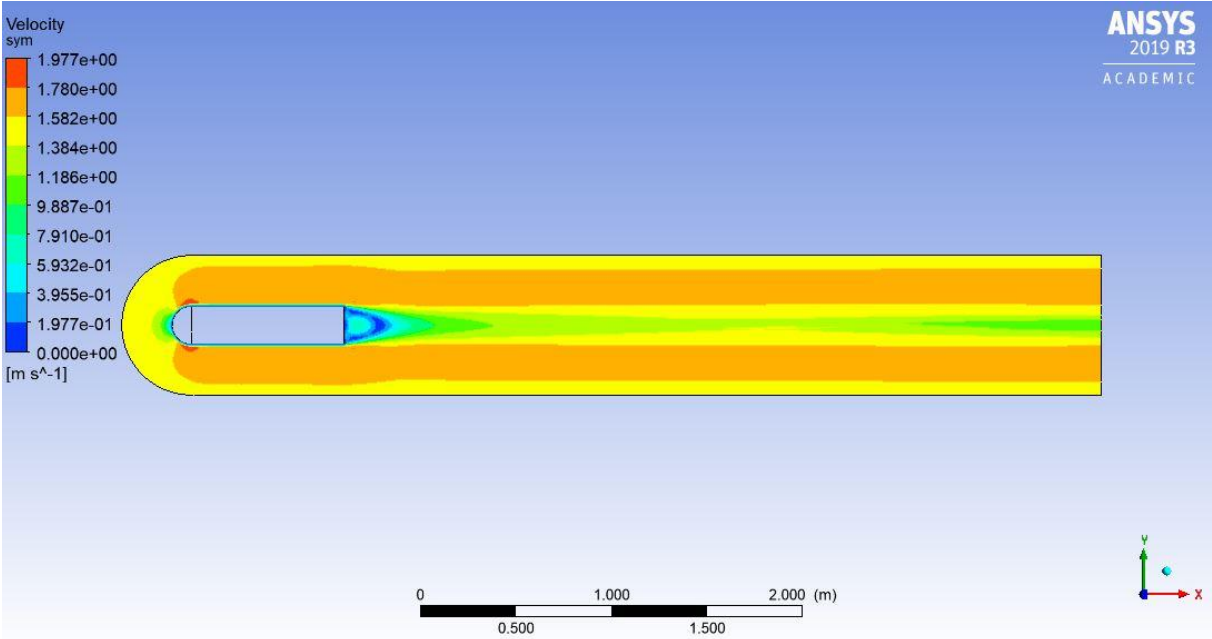


Figure 63: Velocity 1.5 m/s Cylinder.

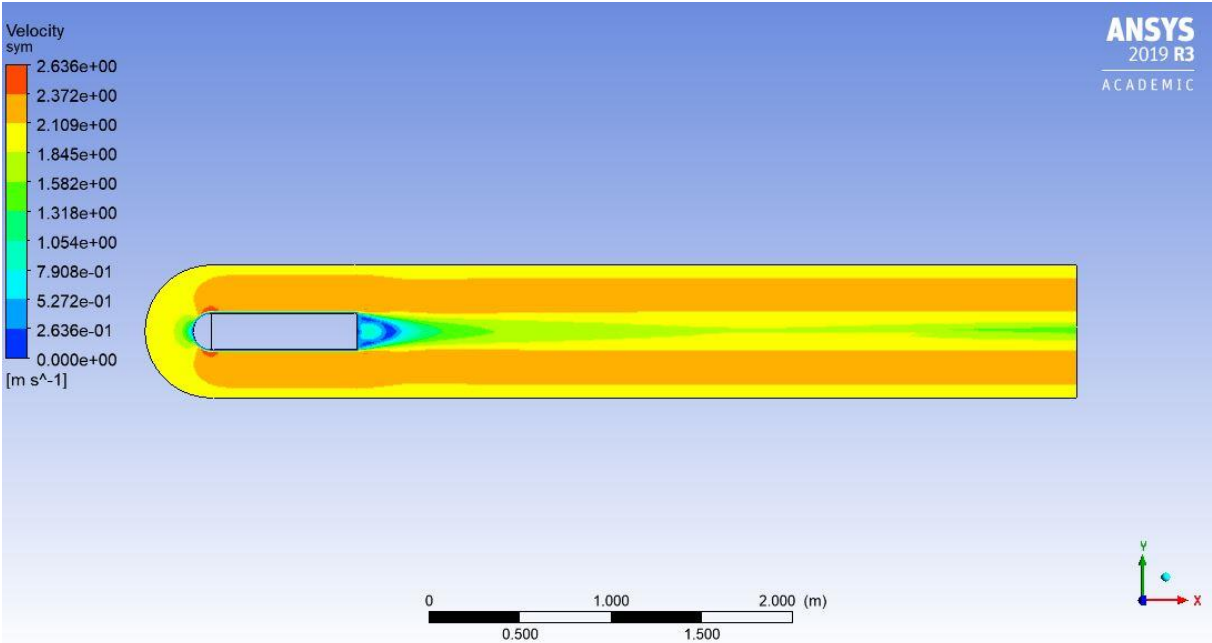


Figure 64: Velocity 2.0 m/s Cylinder.

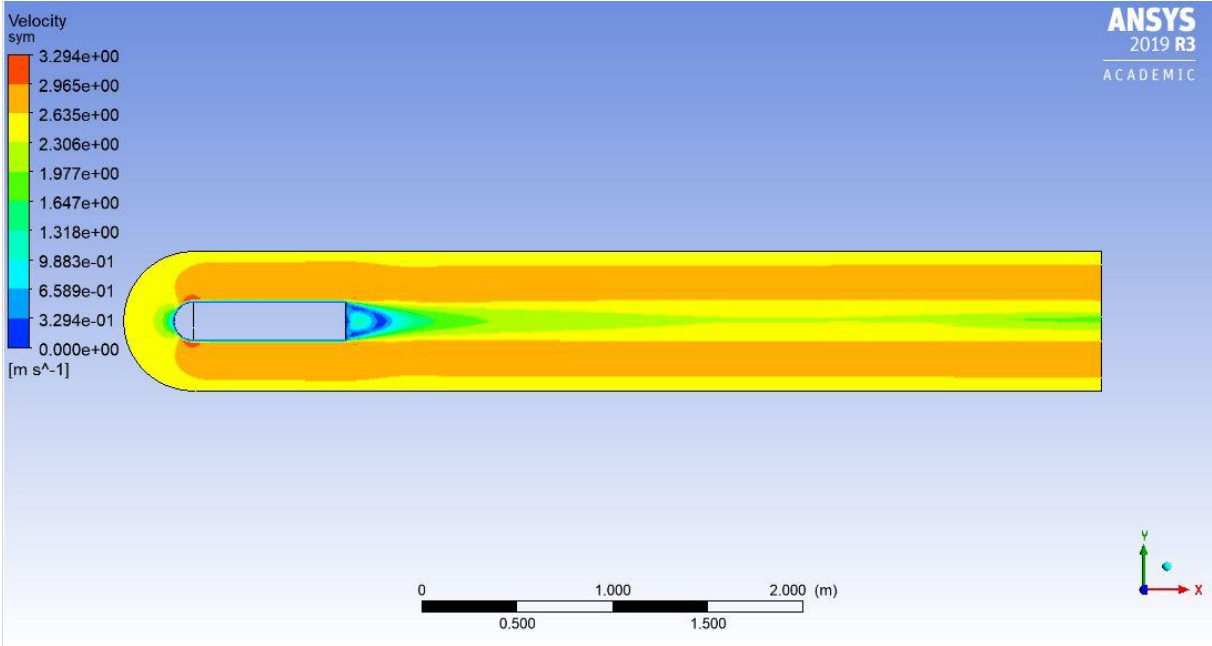


Figure 65: Velocity 2.5 m/s Cylinder.

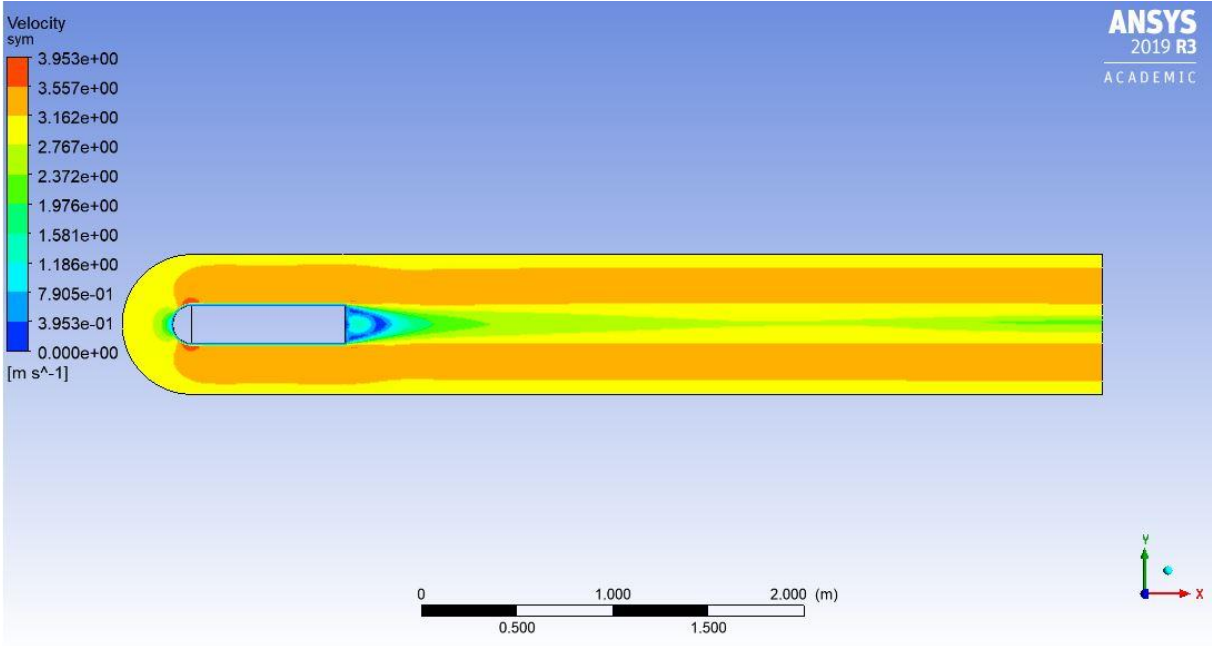


Figure 66: Velocity 3.0 m/s Cylinder.

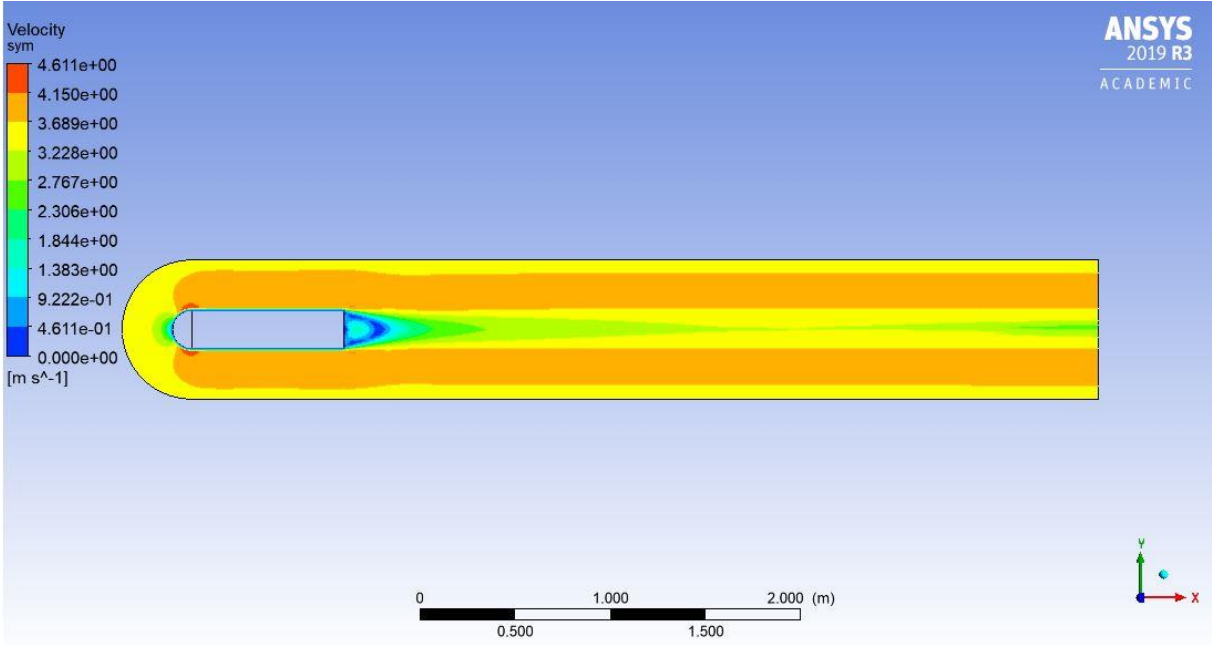


Figure 67: velocity 3.5 m/s Cylinder.

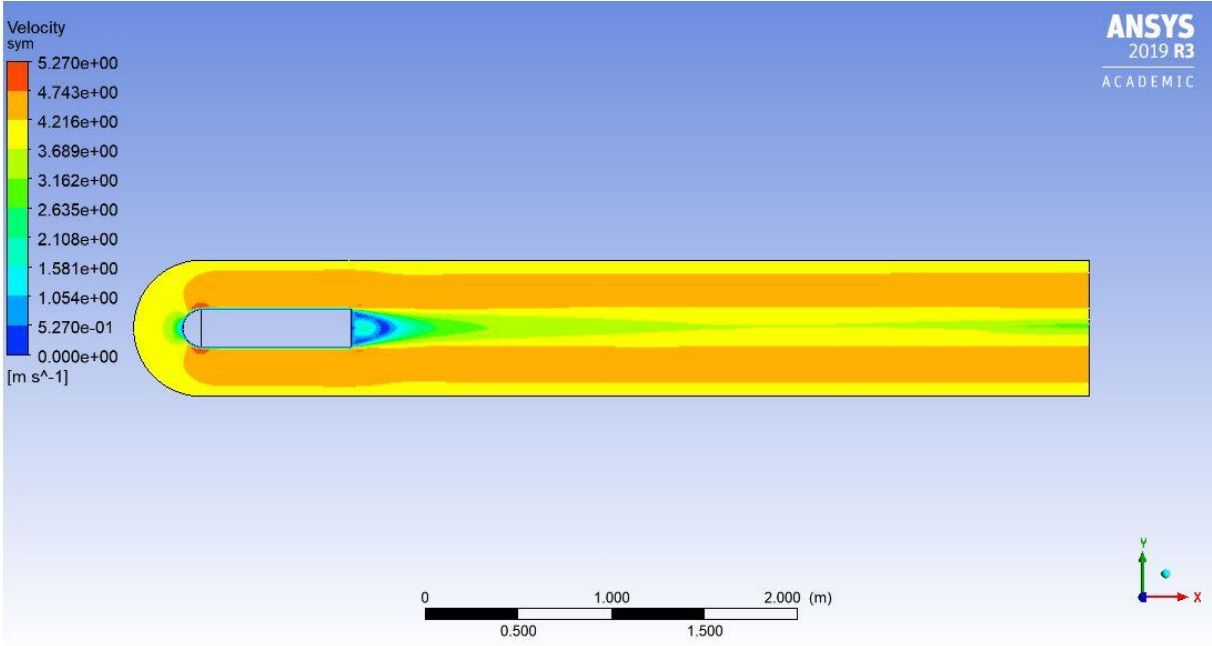


Figure 68: Velocity 4.0 m/s Cylinder.

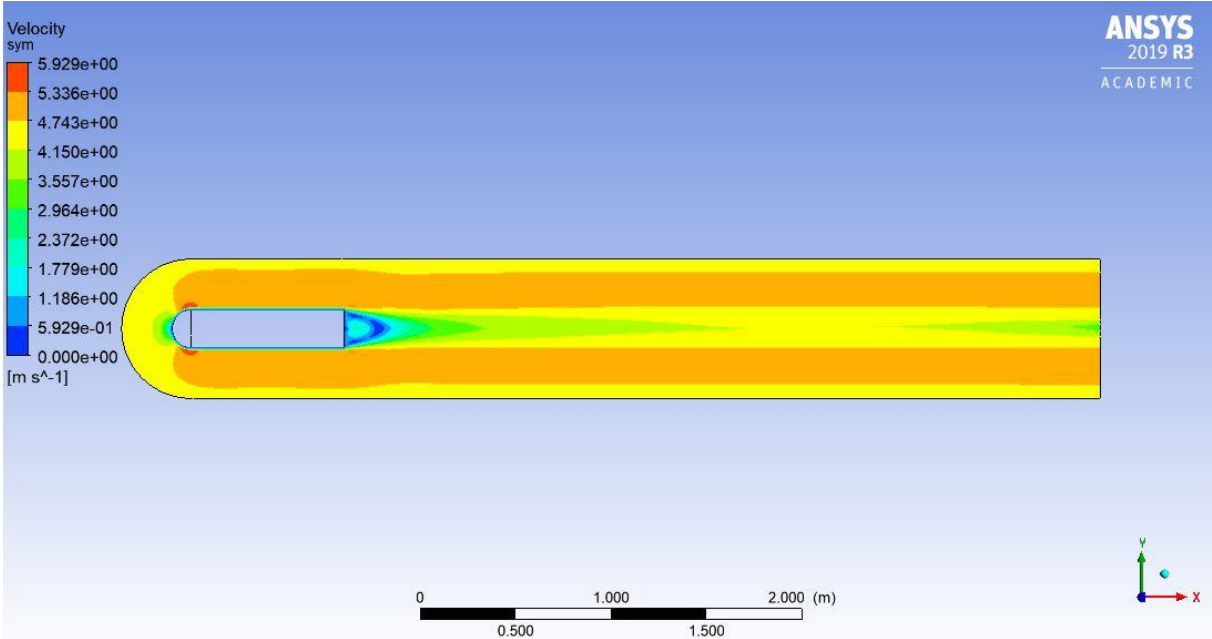


Figure 69: Velocity 4.5 m/s Cylinder.

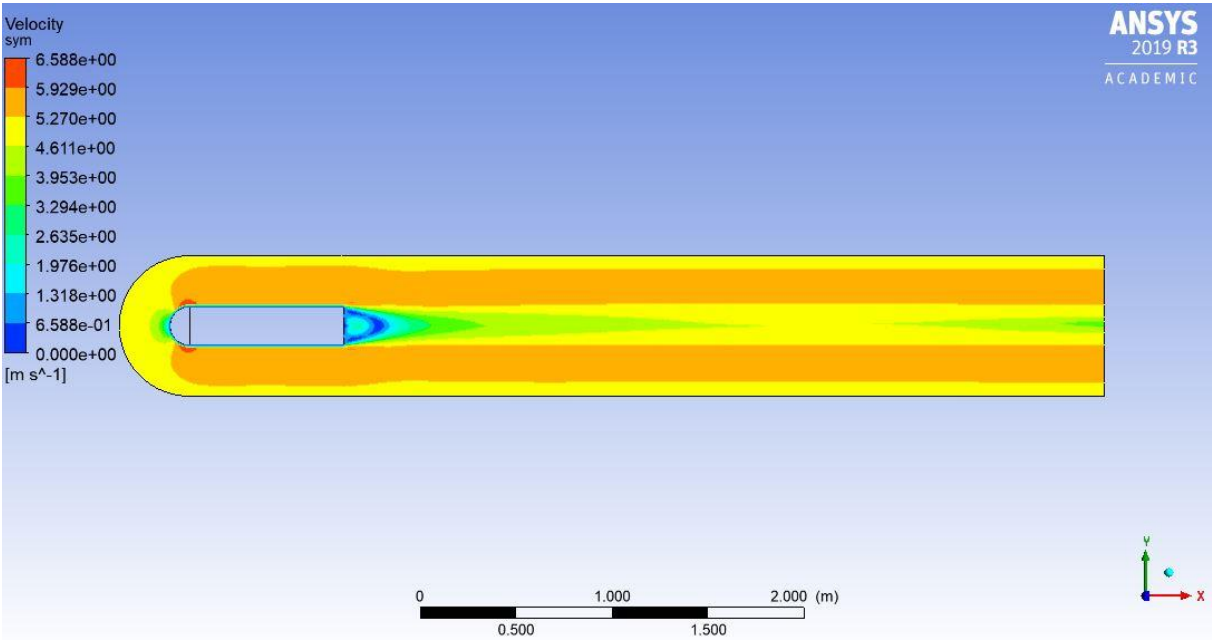


Figure 70: Velocity 5.0 m/s Cylinder.

Pressure displayed on symmetry plane

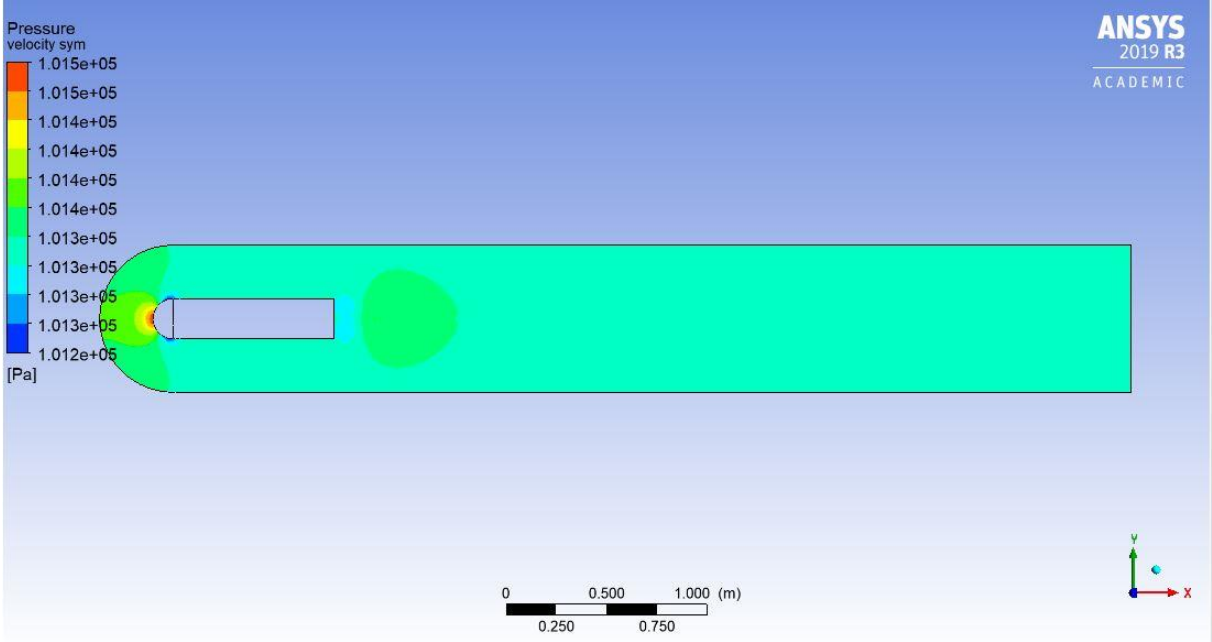


Figure 71: Pressure 0.5 m/s Cylinder.

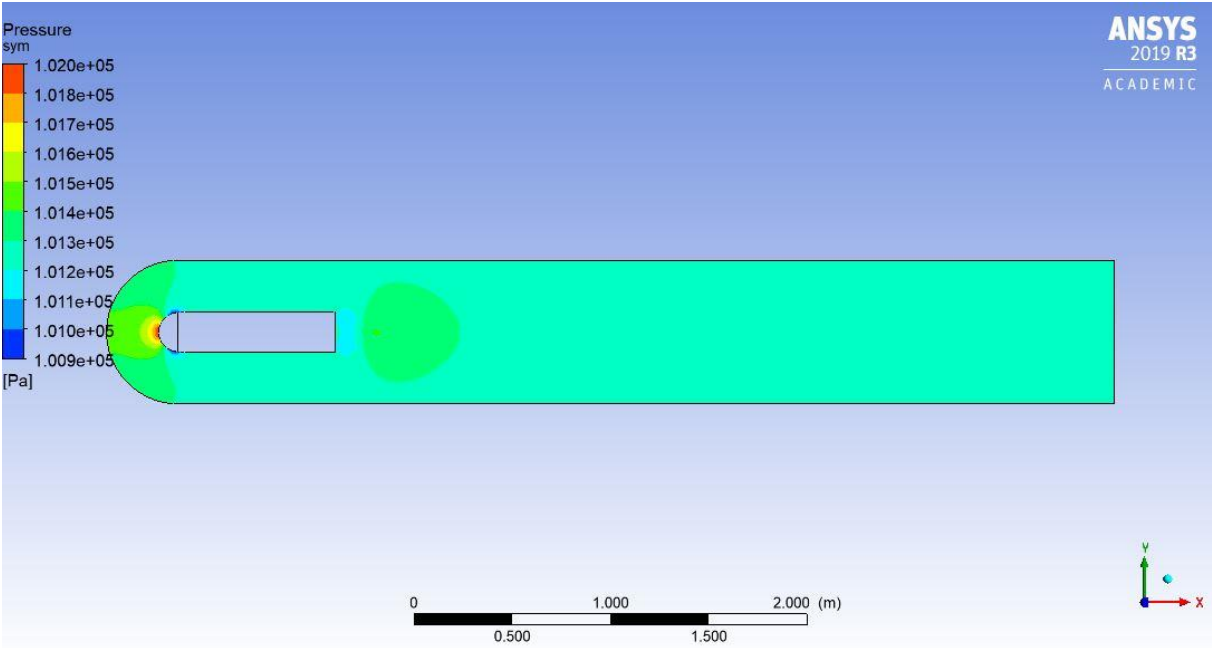


Figure 72: pressure 1.0 m/s Cylinder.

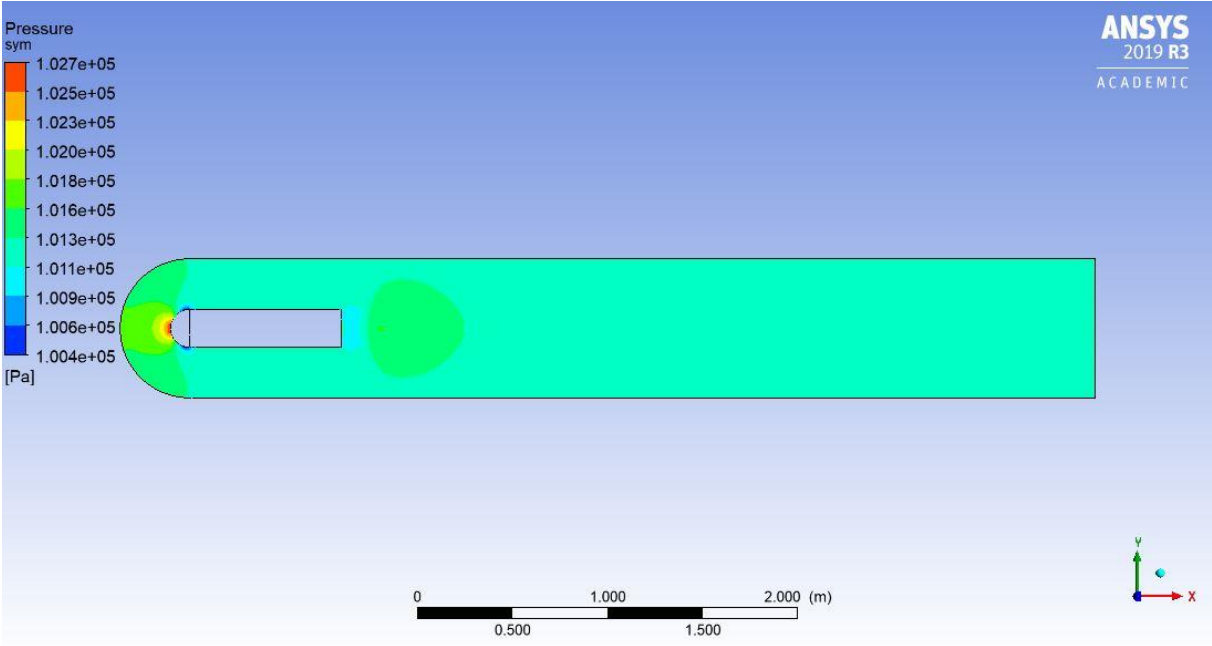


Figure 73: Pressure 1.5 m/s Cylinder.

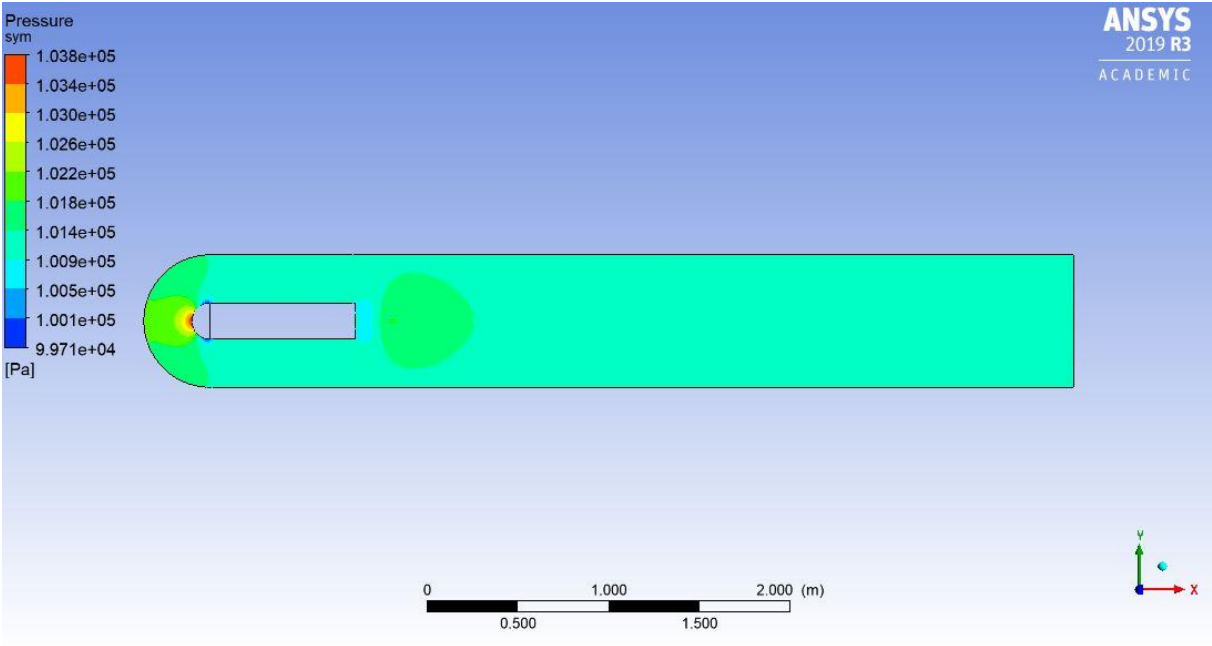


Figure 74: Pressure 2.0 m/s Cylinder.

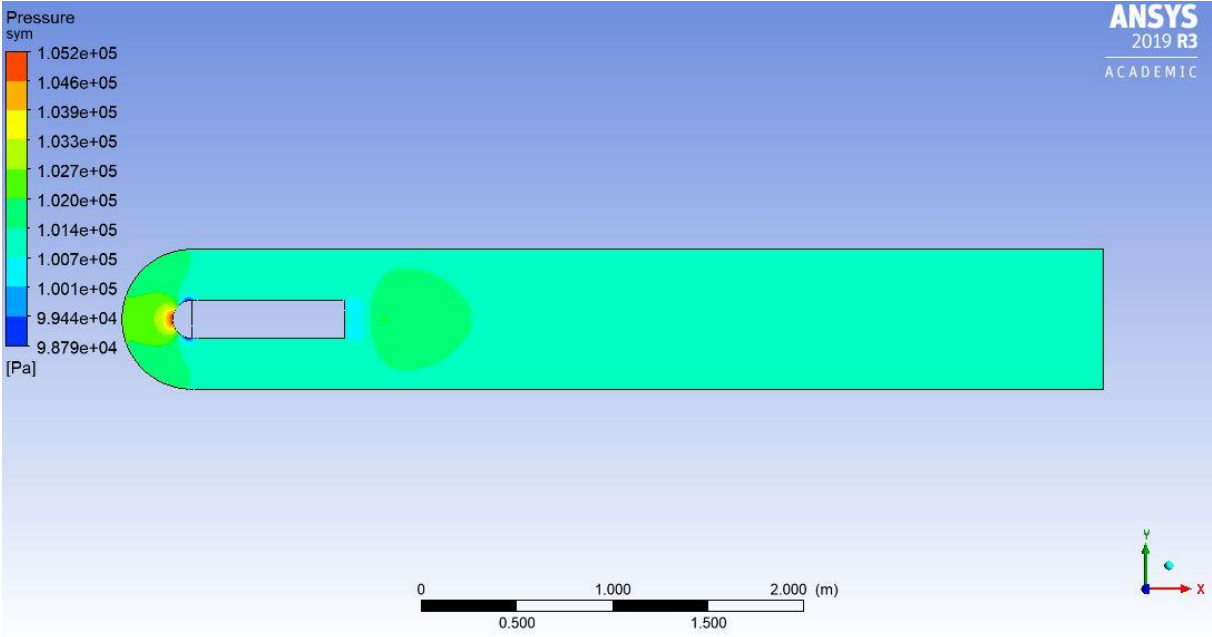


Figure 75: Pressure 2.5 m/s Cylinder.

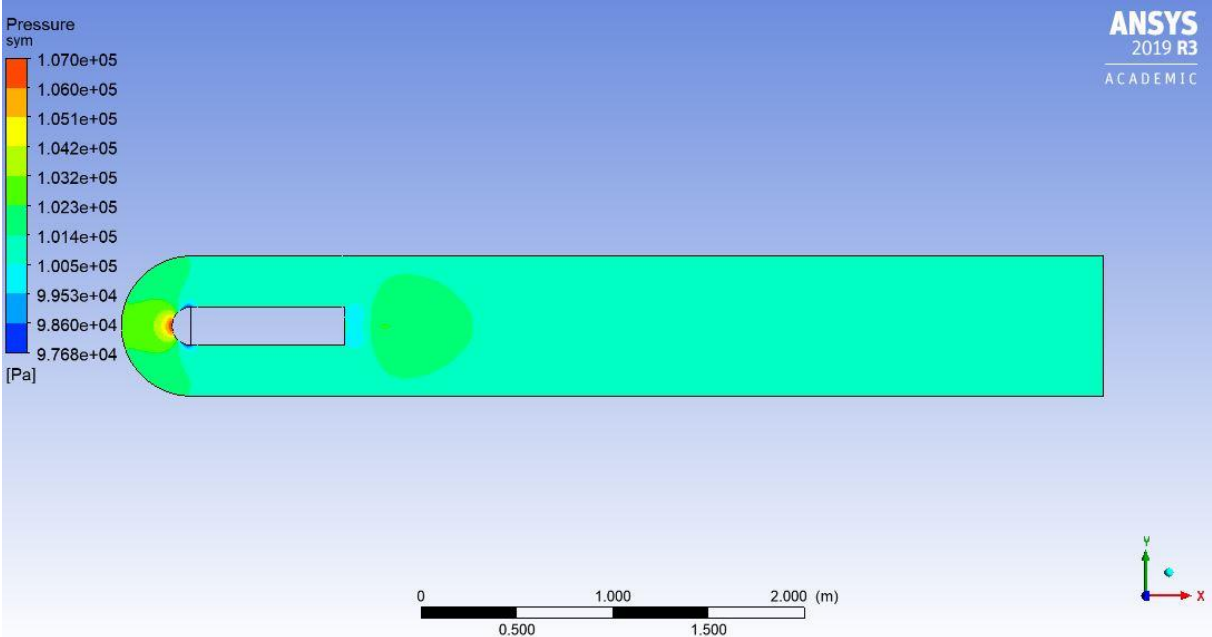


Figure 76: Pressure 3.0 m/s Cylinder.

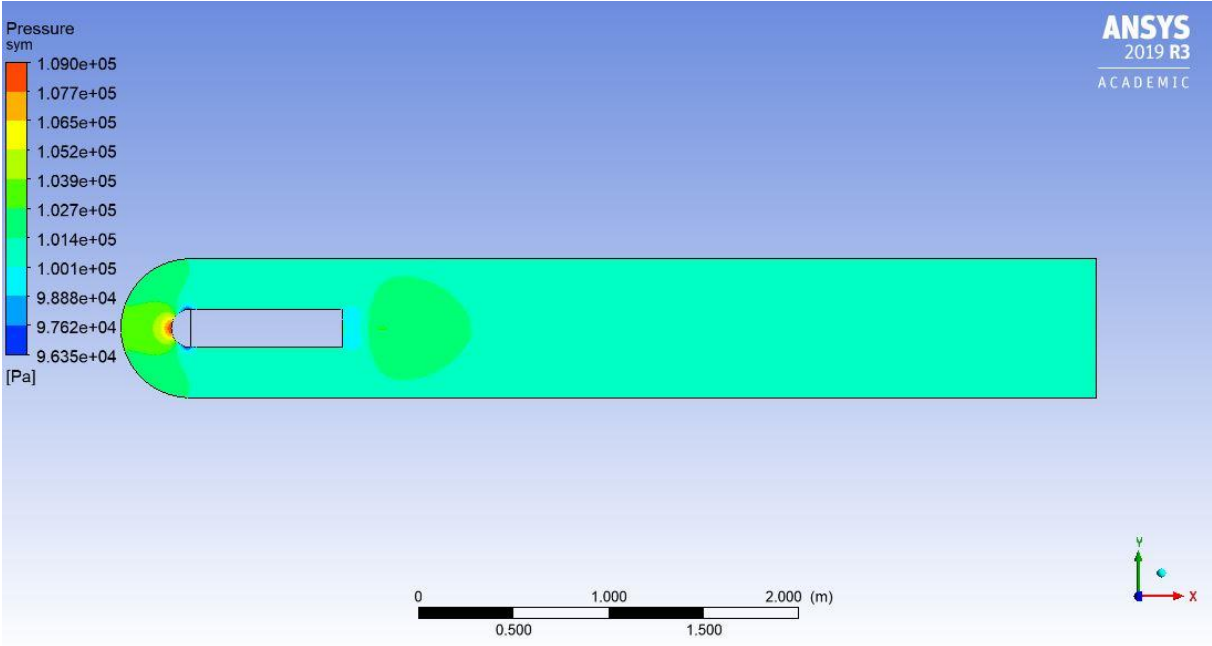


Figure 77: Pressure 3.5 m/s Cylinder.

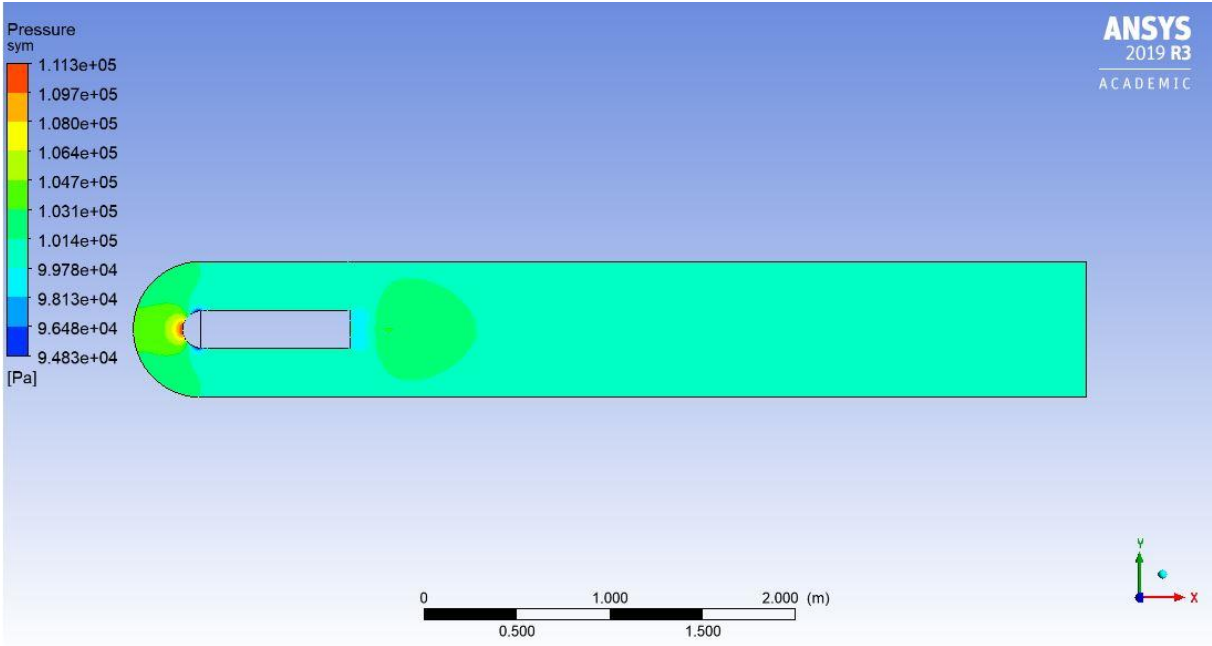


Figure 78: Pressure 4.0 m/s Cylinder.

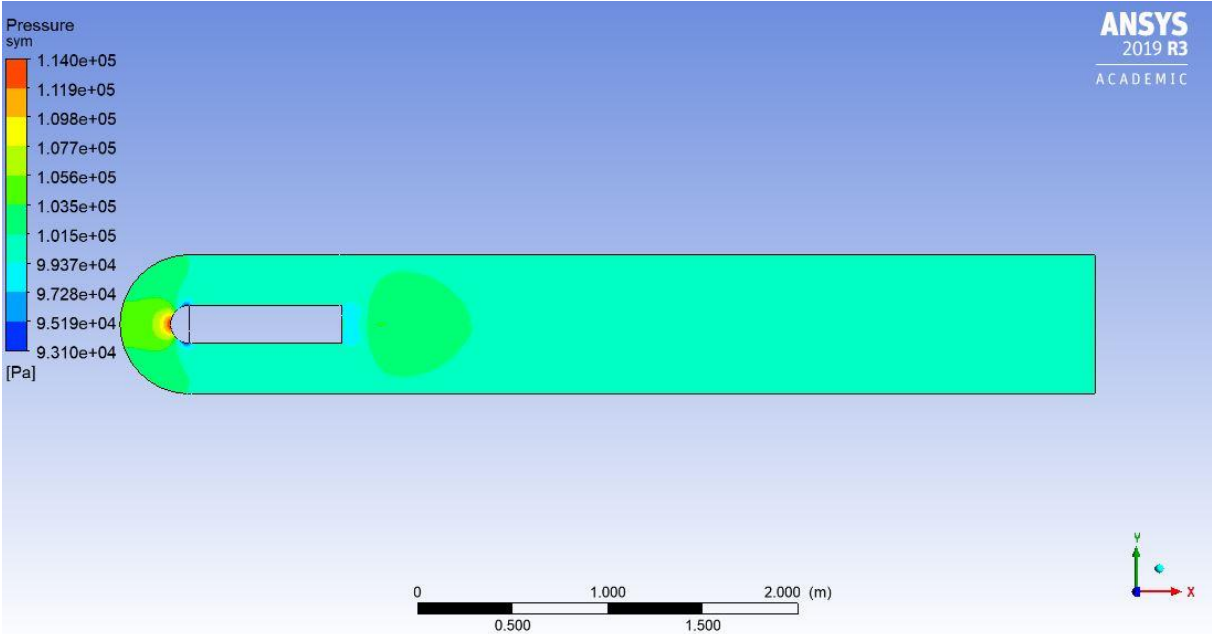


Figure 79: Pressure 4.5 m/s Cylinder.

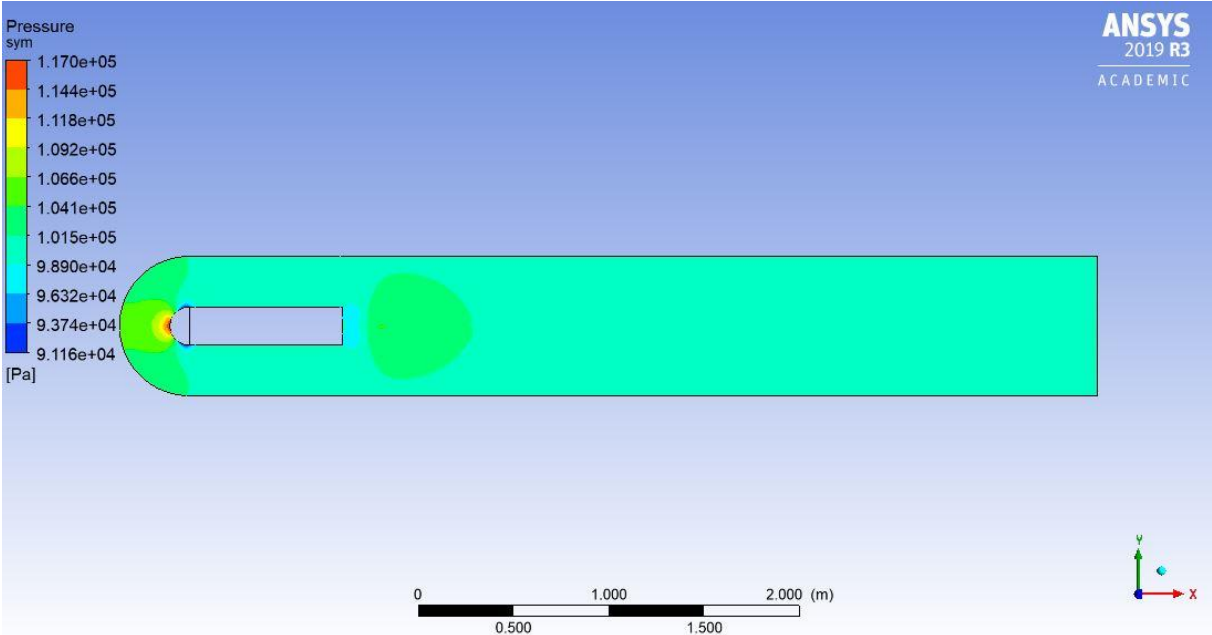


Figure 80: Pressure 5.0 m/s Cylinder.

Turbulence displayed on Symmetry plane

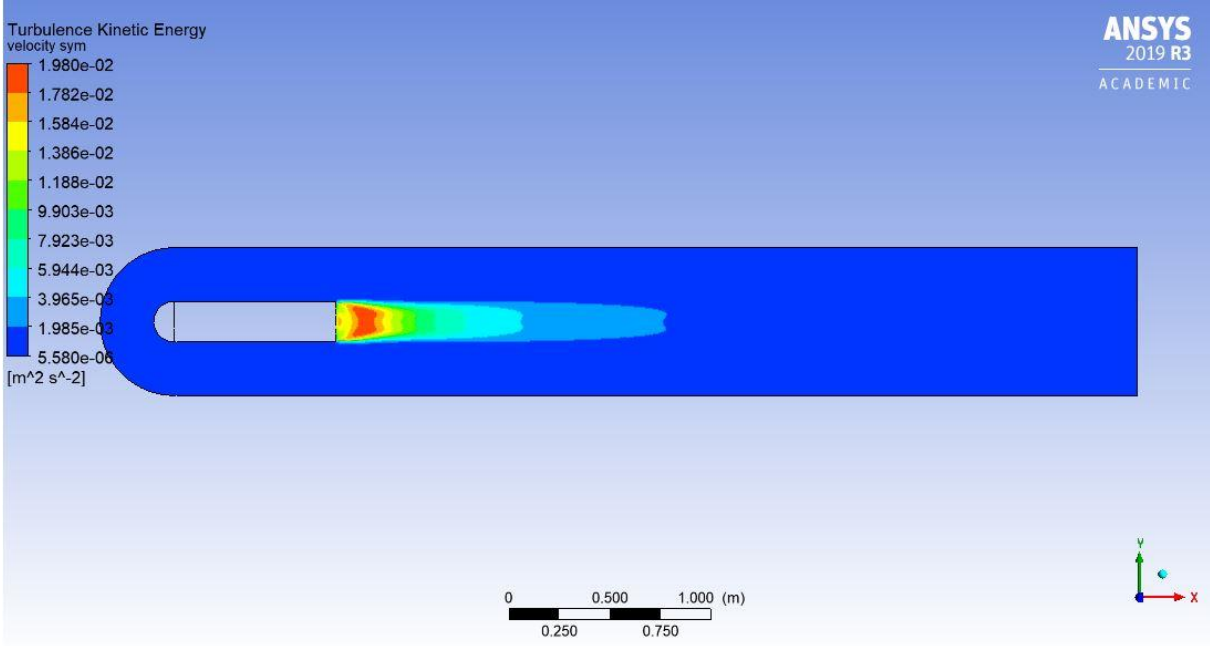


Figure 81: Turbulence 0.5 m/s Cylinder.

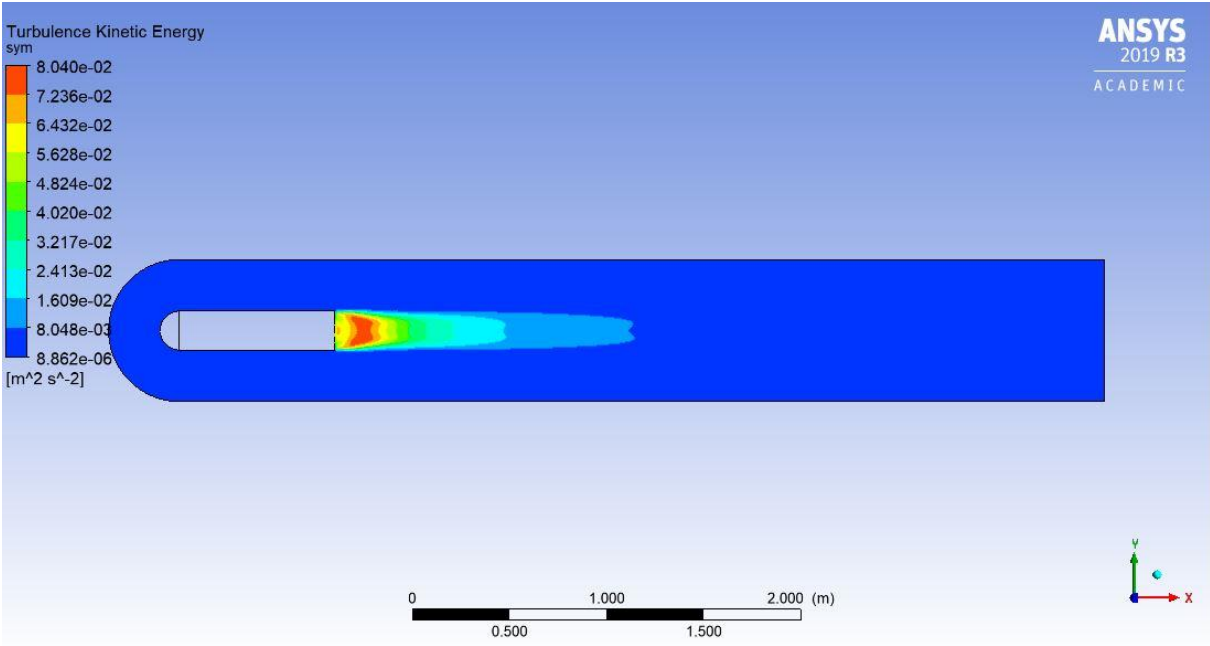


Figure 82: Turbulence 1.0 m/s Cylinder.

Attachment 2
Group M30

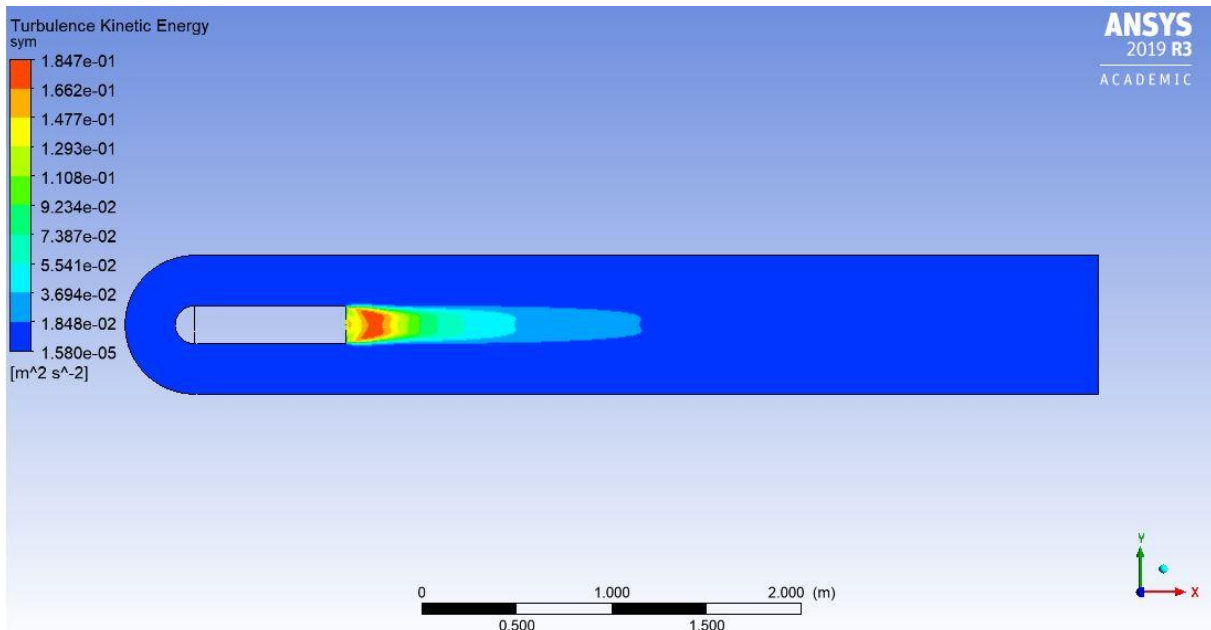


Figure 83: Turbulence 1.5 m/s Cylinder.

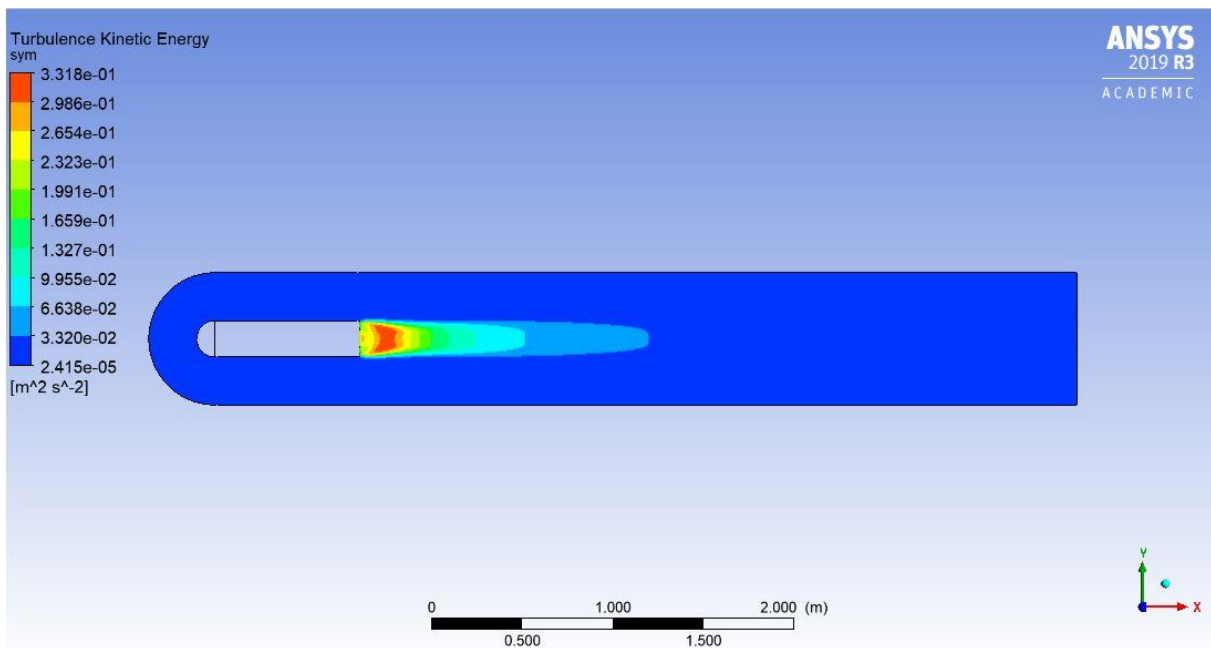


Figure 84: Turbulence 2.0 m/s Cylinder.x

Attachment 2
Group M30

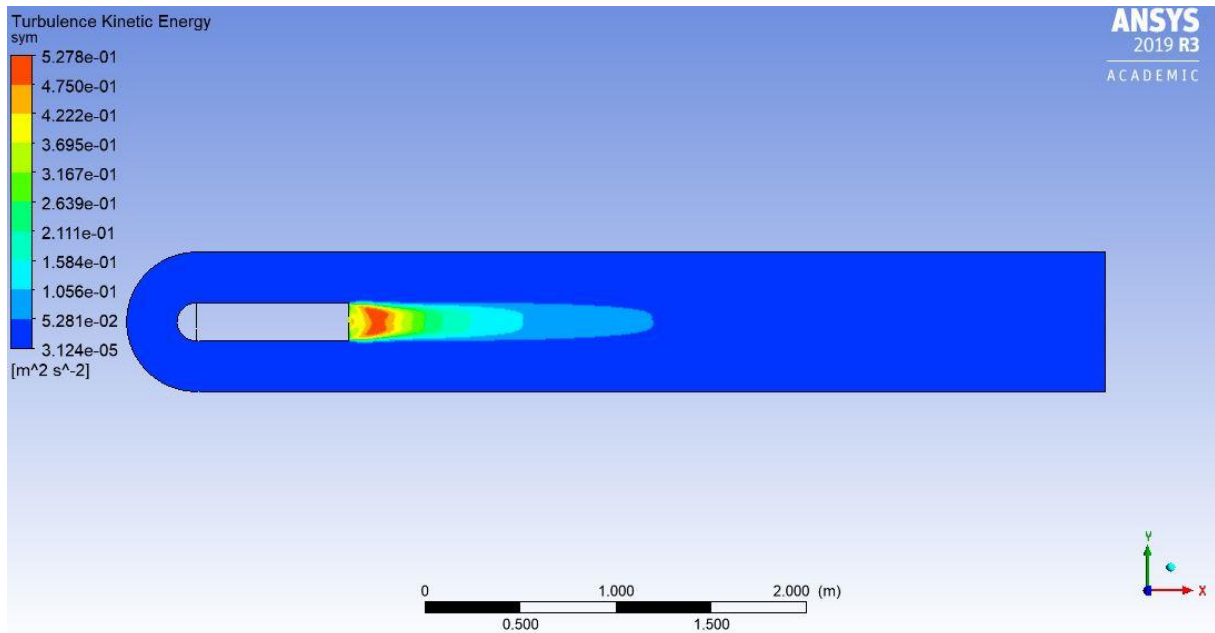


Figure 85: Turbulence 2.5 m/s Cylinder.

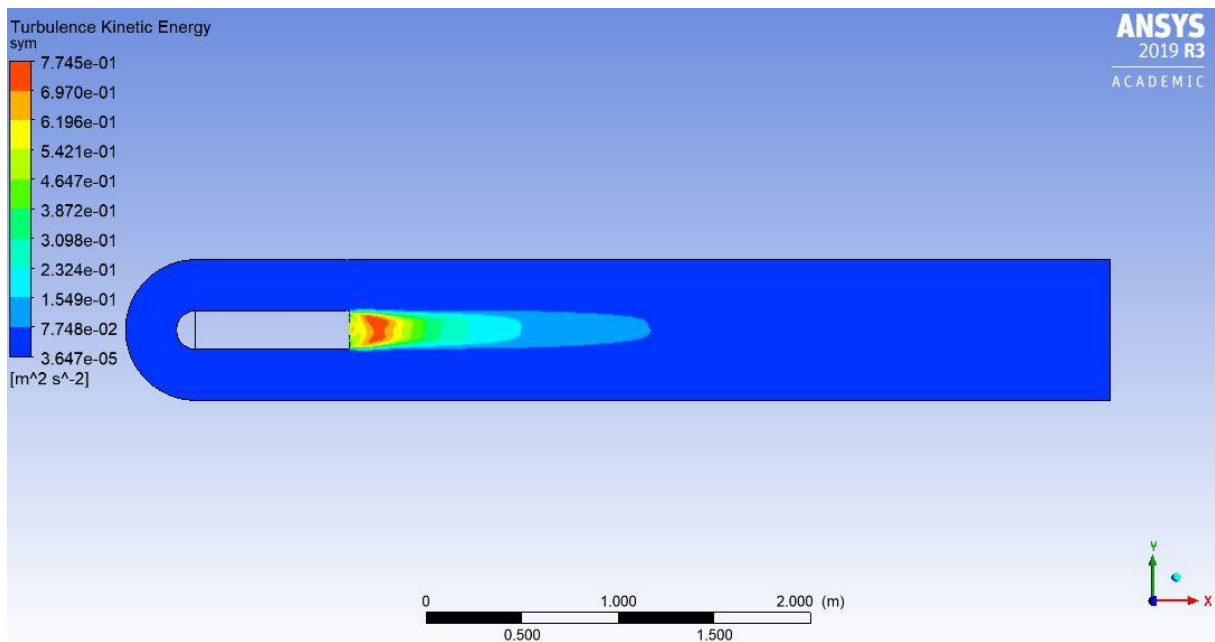


Figure 86: Turbulence 3.0 m/s Cylinder.

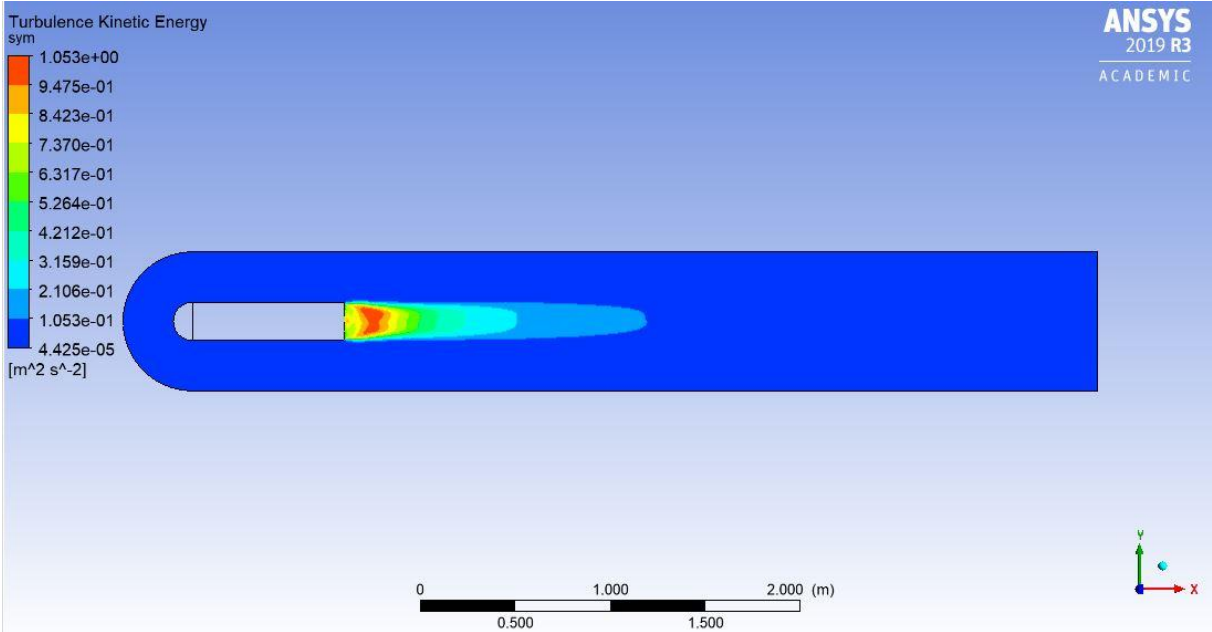


Figure 87: Turbulence 3.5 m/s Cylinder.

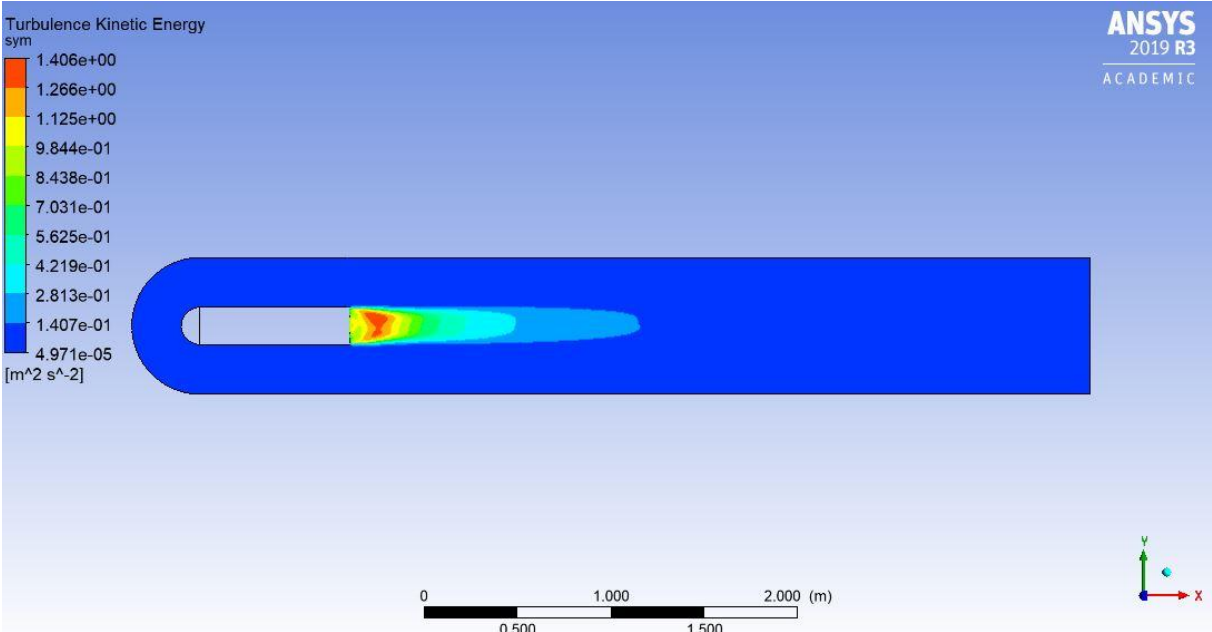


Figure 88: Turbulence 4.0 m/s Cylinder.

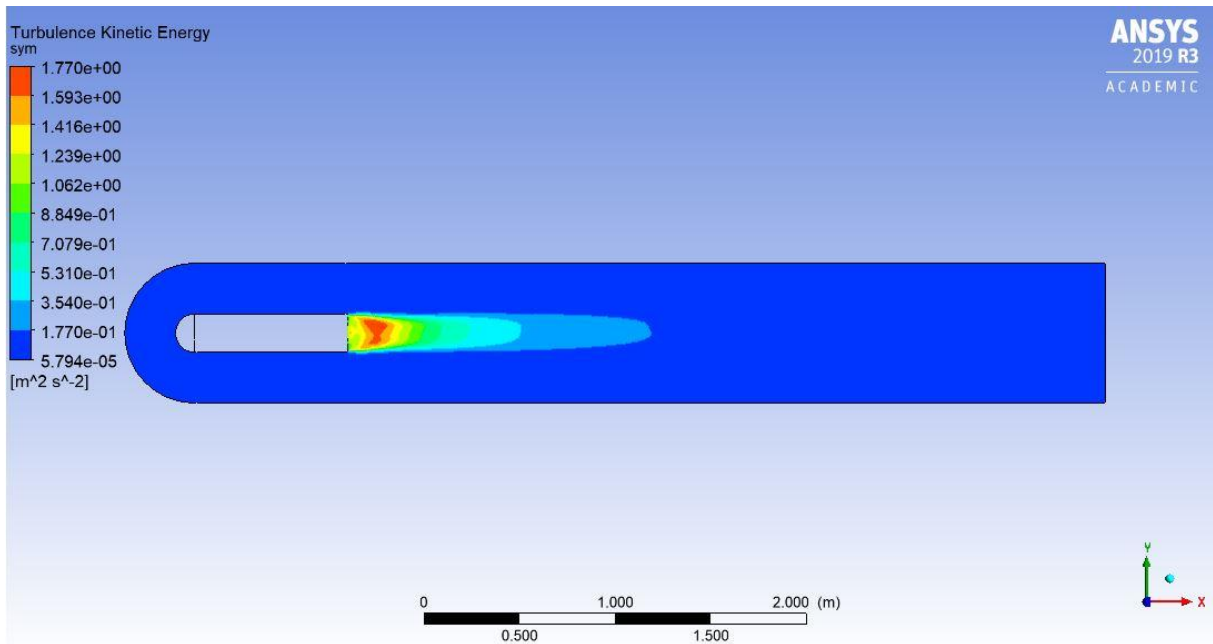


Figure 89: Turbulence 4.5 m/s Cylinder.

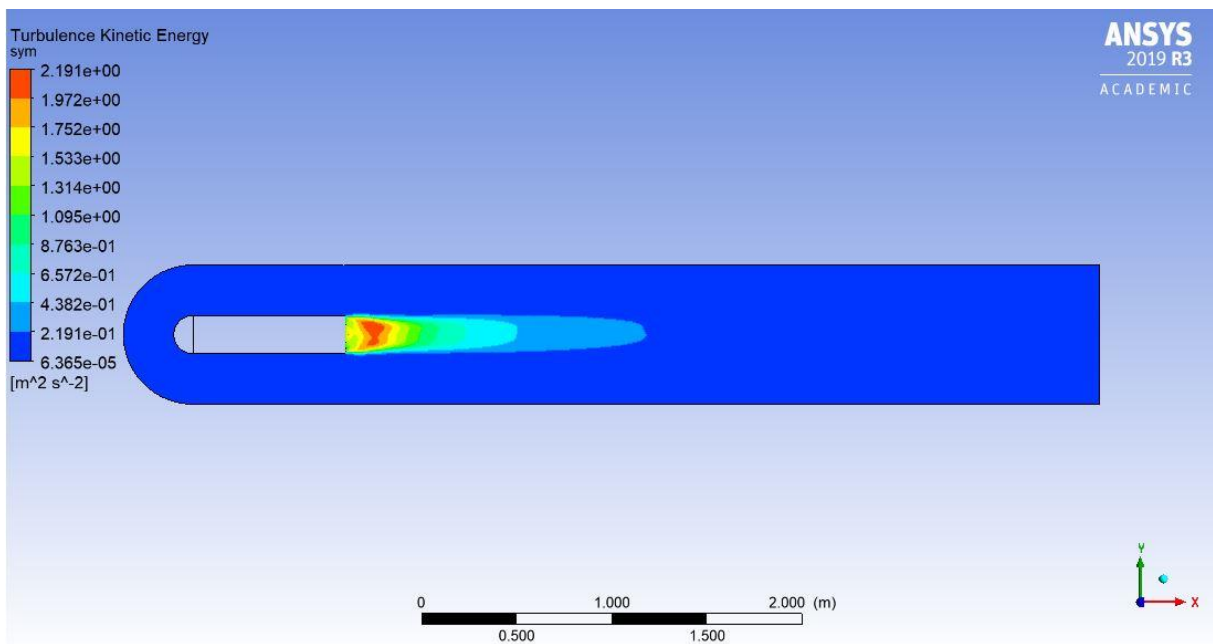


Figure 90: Turbulence 5.0 m/s Cylinder.