2D flat plate – Zero pressure gradient – Turbulent case

- Working fluid:
  - Air
  - Incompressible
  - Isothermal
  - Density = 1.0 kg/m^3
  - Viscosity = 2 × 10^{-7} kg/m.s
- Bottom wall length:
  - 2 m
- Reynolds number based in bottom wall length:
  - 10 000 000
- Use any turbulence model.
- Sampling line location:
  - 1.90334 m (in the x direction)
- Plot in the sampling line: velocity profile, turbulence production and dissipation terms, turbulent kinetic energy, fluid viscous stresses, fluid turbulent stresses, fluid total stresses, normalized velocity profile.
- Compare the solutions using a lowRE and a highRE approach.
- Compute friction coefficient at the bottom wall.