Ahmed body



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- Working fluid: air, incompressible, isothermal, default properties.
- Inlet velocity: 40 m/s
- Reference area to compute the force coefficients: 0.11503 m² (frontal area)
- Use any turbulence model.
- Do the standard post-processing and identify/compute: vortical structures, integral length scales, ratio of integral length scale to grid length scale, cut-planes with velocity contours, oil lines, separation points, and so on.
- Assess the goodness of the mesh.
- Sample at any location on the body surface (preferably where the flow attached) and plot the normalized velocity profile.
- Run in steady and unsteady mode and compute the flow statistics.