

FLUENT - Flow Past a Cylinder - Citations

Problem Specification.

1. [Create Geometry in GAMBIT.](#)
2. [Mesh Geometry in GAMBIT.](#)
3. [Specify Boundary Types in GAMBIT.](#)
4. [Set Up Problem in FLUENT.](#)
5. [Solve.](#)
6. [Analyze Results.](#)
7. [Change the domain size.](#)
8. [Unsteady Flow.](#)

Problem Set.

Citations.

Citations

1 C. H. K. Williamson, Vortex dynamics in the cylinder wake. *Ann. Rev. Fluid Mech.* 8, 477 (1996).

2 R. Mittal, H. Dong, et al, A versatile sharp interface immersed boundary method for incompressible flows with complex boundaries, *J. Comput Phys.* 227 (2008) 4825-4852.

3 R.D. Henderson, Details of the drag curve near the onset of vortex shedding, *Phys. Fluids* 7 (9) (1995) 2102-2104.

4 S. Marella, S. Krishnan, H. Liu, H.S. Udaykumar, Sharp interface Cartesian grid method I: an easily implemented technique for 3D moving boundary computations, *J. Comput. Phys.* 210 (2005) 1-31.

5 R. Mittal, S. Balachandar, On the inclusion of three-dimensional effects in simulations of two-dimensional bluff-body wake flows, in: *Symposium on Separated and Complex flows*, ASME Summer meeting, Vancouver, 1997.

[See and rate the complete learning module.](#)

Go to [all FLUENT Learning Modules](#)