

FLUENT - Flow Past a Cylinder - Citations

Problem Specification.

1. [Create Geometry in GAMBIT.](#)
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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.

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