

## Reference: Module 1

1. Anderson, D.A., Taannehill, J.C, and Pletcher, R.H., Computational Fluid Mechanics and Heat Transfer, Hemisphere Publishing Corporation, New York, USA, 1984.
2. Burgers, J.M., A Mathematical Model Illustrating the Theory of Turbulence, *Adv. Appl. Mech.*, Vol. 1, pp. 171-199, 1948.
3. Dufort, E.C. and Frankel, S.P., Stability Conditions in the Numerical Treatment of Parabolic Differential Equations, *Mathematical Tables and Others Aids to Computation*, Vol 7, pp. 135-152, 1953.
4. Fletcher, C.a.j., Computational Techniques for Fluid Dynamics, Vol. 1 (Fundamentals and General Techniques), Springer Verlag, 1988.
5. Gentry, Ra., Martin, R.E. and Daly, B.J., An Eulerian Differencing Method for Unsteady Compressible Flow Problems, *J. Comput. Phys.*, Vol.1, pp. 87-118,1966.
6. Hirt, C.W., Heuristic Stability Theory of Finite Difference Equation, *J. Comput. Phys.*, Vol. 2, pp. 339-335, 1968.
7. Kawamura, T., Takami, H. and Kuwahara, K., Computation of High Reynolds Number Flow around a Circular Cylinder with Surface Roughness, Fluid Dynamics Research, Vol. 1. pp. 145-162, 1986.
8. Khosla, P.K. and Rubin, S.G., A Diagonally Dominant Second Order Accurate Implicit Scheme, *Computer and Fluids* Vol. 2, pp. 2.7-209, 1974.
9. Lax, P.D. and Wendroff, B. Systems of Conservation Laws, *Pure Appl. Math*, Vol. 13, pp. 217-237, 1960.
10. Leonard, B.P., A Stable and Accurate Convective Modelling Procedure based on Quadratic Upstream Interpolation, *Comp. Method Appl. Mech. Engr.*, Vol. 19, pp. 59-98, 1979.
11. Rai, M.M. and Moin, P., Direct Simulations of turbulent Flow Using Finite Difference Schemes, *J. Comput. Phys.*, Vol. 96, pp. 15-53, 1991.
12. Raithby, G.D. and Torrance , K.E., Upstream-weighted Differencing Scheme and Their Applications to Elliptic Problems Involving Fluid Flow, *Computers and Fluids*, Vol. 2, pp. 191-206, 1974.
13. Roache, P.J., Computational Fluid Dynamics, Hermosa, Albuquerque , New Mexico , 1972 (revised printing 1985).
14. Runchal, A.k. and Wolfshtein, M., Numerical Integration Procedure for the Steady State Navier-Stokes Equations, *J. Mech Engg. Sci.*, Vol. 11, pp. 445-452, 1969.
15. Thomas, L.H., Elliptic Problems in Linear Difference Equations Over a Network, *Waston Sci. Comput. Lab. Rept.*, Columbia University , New York , 1949.
16. Vanka, S.P., Second-Order Upwind Differencing in a Recirculating Flow, *AIAA J.* , Vol 25, pp. 1441, 1987.