

References

Module 3

Lecture 17

1. Sellars, J. R., Tribus, M., and Klein, J. S., 1956, Heat Transfer to Laminar Flow in a Round Tube or at Conduit- The Graetz Problem Extended, Trans ASME, Vol. 78, pp. 441-448.
2. Siegel, R., Sparrow, E. M., and Hallman, T. M., 1958, Steady Laminar Flow Heat Transfer in a Circular Tube with a Prescribed Wall Heat Flux, Appl. Scient. Res., A7, pp. 386-392.
3. Shah, R. K., 1975, Laminar Flow Friction and Forced Convection Heat Transfer in Ducts of Arbitrary Geometry, Int. J. Heat Mass Transfer, Vol. 18, pp. 849-862.
4. Basu, T., and Roy, D. N., 1985, Laminar Heat Transfer in a Tube with Viscous Dissipation, Int. J. Heat Mass Transfer, Vol. 28, pp. 699-701.
5. Shah, R. K., and London, A. L., 1978, Advances in Heat Transfer, Laminar Flow Forced Convection in Ducts, Academic Press, New York.
6. Sieder, E. N., and Tate, G. E., 1936, Heat Transfer and Pressure Drop of Liquids in Tubes, Ind. Eng. Chem., Vol. 28, pp. 1429-1436.

Module 4

Lecture 20

1. Biswas, G. and Chattopadhyay, H., Heat Transfer in a Channel with Built-in Wingtip vortex Generators, Int. J. Heat Mass Transfer, Vol. 35, pp. 803-814, 1992. 24
2. Brandt, A., Debby, J. E. and Ruppel, H., The Multigrid Method for Semi-Implicitly Hydrodynamic Codes, Journal of Comput. Phys., Vol. 34, pp. 348-370, 1980.
3. Braza, M. Chassaing, P. and Ha Minh, H., Numerical Study and Physical Analysis of the Pressure and Velocity Fields in the Near Wake of a Circular Cylinder, J. Fluid Mech., Vol. 165, pp. 79-130, 1986.
4. Chorin, A. J., A Numerical Method for Solving Incompressible Viscous Flow Problems, Journal of Comput. Phys., Vol. 2, pp. 12-26, 1967.
5. Davis, R. W., and Moore, E. F., A Numerical Study of Vortex Shedding from Rectangles, J. Fluid Mech., Vol. 116, pp. 475-50.
6. Harlow, F. H. and Welch, J. E., Numerical Calculation of Time-dependent Viscous Incompressible Flow of Fluid with Free Surfaces, The Phys. of Fluids, Vol. 8, pp. 2182-2188, 1965.
7. Hirt, C. W. and Cook, J. L., Calculating Three Dimensional Three Dimensional Flows around Structures and over Rough Terrain, Journal of Comput. Phys., Vol. 10, pp. 324-340, 1972.
8. Hirt, C. W., Nichols, B. D. and Romero, N. C., SOLA - A Numerical Solution Algorithm for Transient Fluid Flows, LA - 5852, Los Alamos Scientific Laboratory Report, 1975.

9. Kim, J. and Moin, P., Application of a Fractional Step Method to Incompressible Navier-Stokes Equations, *Journal of Comput. Phys.*, Vol. 59, pp. 308-323, 1985.
10. Kim, S. W. and Benson, T. J., Comparison of the SMAC, PISO and Iterative Time-Advancing Schemes for Unsteady Flows, *Computers Fluids*, Vol. 21, pp. 435-454, 1992. 25
11. Leonard, B. P., A Stable and Accurate Convective Modeling Procedure Based on Quadratic Upstream Interpolation, *Comp. Methods Appl. Mech. Engr.*, Vol. 19, pp. 59-98, 1979.6, 1982.
12. Mukhopadhyay, A., Biswas, G. and Sundararajan, T., Numerical Investigation of Conned Wakes behind a Square Cylinder in a Channel, *Int. J. Numer. Methods Fluids*, Vol. 14, pp. 1473-1484, 1992.
13. Orlanski, I., A Simple Boundary Condition for Unbounded Flows, *J. Comput. Phys.*, Vol. 21, pp. 251-269, 1976.
14. Okajima, A., Strouhal Numbers of Rectangular Cylinders, *J. Fluids Mech.*, Vol. 123, pp. 379-398, 1982. Patankar, S. V. and Spalding, D. B., A Calculation Procedure for Heat Mass and Momentum Transfer in Three Dimensional Parabolic Flows, *Int. J. Heat and Mass Transfer*, Vol. 15, pp. 1787-1805, 1972.
15. Peyret, R. and Taylor, T. D., *Computational Methods for Fluid Flow*, Springer Verlag, New York, 1983.
16. Robichaux, J., Tafti, D. K. and Vanka, S. P., Large Eddy Simulations of Turbulence on CM-2, *Numerical Heat Transfer, Part B*, Vol. 21, pp. 267-388, 1992.
17. Vanka, S. P., Chen, B. C.-J., and Sha, W. T., A Semi-Implicit Calculation Procedure for Flow Described in Body-Fitted Coordinate Systems, *Numerical Heat Transfer*, Vol. 3, pp. 1-19, 1980.
18. Viecelli, J. A., A Computing Method for Incompressible Flows Bounded by Moving Walls, *Journal of Comput. Phys.*, Vol. 8, pp. 119-143, 1971.

Module 6

Lecture 27

1. B.Gebhart, Y. Jaluria , R . L . Mahajan and B Sammakia , **1988** , Buoyance Induced Flows. Transport,Hemisphere Publishing Corporation Washington.

Module 8

Lecture 35

1. Bankoff, S. G., (1958), "Entrainment of Gas in the Spreading of a Liquid over a Rough Surface", *AICHE J.*, Vol. 4, pp.24-26.
2. Hsu, Y. Y., (1962), "On the Size Range of Active Nucleation Cavities on a Heating Surfaces", *J. Heat Transfer*, Vol. 84, pp. 207-216.
3. Halton, A. P. and Hall, I. S., (1966), "Photographic Study of Boiling on Prepared Surfaces", *Proc. 3rd Int. Heat Transfer Conference, Chicago*, Vol. IV, pp. 24-37.
4. Rayleigh, J. W. S., (1917), "Philosophical Mag. XXXIV", Vol. 94, pp. 122|-.
5. Fritz, W., (1935), "Maximum Volume of Vapor Bubbles ", *Physik Zeitschr.*, Vol. 36, pp.379-384.
6. Siegel, R., and Keshock, E. G., (1964), "Effects of Reduced Gravity on Nucleate Bubble Dynamics in Water", *AICHE J.*, Vol. 10, No. 4, pp. 509-516.
7. Cochran, T. K., and Aydelott, J. C., (1966), "Effects of Subcooling and Gravity Level on Boiling in the Discrete Bubble Region", **NASA TN-D-3449**.
8. Mikic, B. B., Rohsenow, W. M., and Griffith, P., (1970), "On Bubble Growth Rates", *Int. J. Heat and Mass Transfer*, Vol. 13, pp. 657-666.
9. Rohsenow, W. M., (1985), "Boiling Handbook of Heat Transfer Fundamentals", 2nd Ed., W. M. Rohsenow, J. P. Hartnett and E. N. Garric, eds., McGraw-Hill, New York, pp. 12-1-12-4.
10. Jakob, M., (1949), "Heat Transfer", Vol. 1, Wiley, New York.
11. Ivey, H. J., (1967), "Relationships between bubble frequency, departure diameter and rise velocity in nucleate boiling, *Int. J. Heat Mass Transfer*, vol. 10, pp. 1023-1040.
12. Cole, R., (1967), "Frequency and departure diameter at sub-atmospheric pressures", *AICHE Journal*, vol. 13, pp. 779-783.
13. Malenkov, F. G., (1971), "Detachment Frequency as a Function of Size of Vapor Bubbles", (translated), *Inzh. Fiz. Zhur.*, Vol. 20, pp. 99.