

References B

- Abbott, M.B. (1966). *An introduction to the method of characteristics*. American Elsevier, New York.
- AIChE. (1947.) AIChE, **43**, No.1, 25.
- Amies, G., Levek, R. and Struesseld, D. (1977). Aircraft hydraulic systems dynamic analysis. Volume II. Transient analysis (HYTRAN). *Wright-Patterson Air Force Base Technical Report AFAPL-TR-76-43, II*.
- Amies, G. and Greene, B. (1977). Aircraft hydraulic systems dynamic analysis. Volume IV. Frequency response (HSFR). *Wright-Patterson Air Force Base Technical Report AFAPL-TR-76-43, IV*.
- Andeen, G.B. and Marks, J.S. (1978). Analysis and testing of steam chugging in pressure systems. *Electric Power Res. Inst. Report NP-908*.
- Anderson, D.A., Blade, R.J. and Stevens, W. (1971). Response of a radial-bladed centrifugal pump to sinusoidal disturbances for non-cavitating flow. *NASA TN D-6556*.
- Anderson, H.H. *Centrifugal pumps*. The Trade and Technical Press Ltd., England.
- ANL. (1980). *Thermodynamic properties of Uranium Dioxide*. ANL Reports, ANL-CEN-RSD-80-3, -80-4.
- ANL. (1979 & 82). *Thermophysical properties of sodium*. ANL Reports, ANL-CEN-RSD-79-1 and -82-4.
- ASHRAE. *Handbook of fundamentals*.
- Batchelor, G.K. (1967). *An introduction to fluid mechanics*. Cambridge Univ. Press.
- Betchkov, R. and Criminale, W.O. (1967). *Stability of parallel flows*. Academic Press.
- Birkhoff, G. (1960). *Hydrodynamics*. Princeton Univ. Press.
- Blevins, R.D. (1977). *Flow-induced vibrations*. Van Nostrand Reinhold Co., N.Y.
- Boure, J.A., Bergles, A.E. and Tong, L.S. (1973). Review of two-phase flow instability. *Nucl. Eng. Des.*, **25**, 165-192.
- Brennen, C.E. (1970). Cavity surface wave patterns and general appearance. *J. Fluid Mech.*, **44**, No.1, 33-49.
- Brennen, C.E. and Acosta, A.J. (1973). Theoretical, quasistatic analyses of cavitation compliance in turbopumps. *J. of Spacecraft and Rockets*, **10**, No.3, 175-180.
- Brennen, C.E. and Acosta, A.J. (1975). The dynamic performance of cavitating turbopumps. *Proc. Fifth Conference on Fluid Machinery, Akademiai Kiado, Budapest, Hungary*, 121-136.
- Brennen, C.E. and Acosta, A.J. (1976). The dynamic transfer function for a cavitating inducer. *ASME J. Fluids Eng.*, **98**, 182-191.
- Brennen, C.E. and Braisted, D.M. (1980). Stability of hydraulic systems with focus on cavitating pumps. *Proc. 10th Symp. of IAHR, Tokyo*, 255-268.
- Brennen, C.E., Meissner, C., Lo, E.Y., and Hoffman, G.S. (1982). Scale effects in the dynamic transfer functions for cavitating inducers. *ASME J. Fluids Eng.*, **104**, 428-433.

- Brennen, C.E., Sieck, K. and Paslaski, J. (1983). Hydraulic jumps in granular material flow. *Powder Tech.*, **35**, 31-37
- Brennen, C.E. (1994). *Hydrodynamics of pumps*. Oxford University Press and Concepts ETI.
- Brown, F.T. (1967). A unified approach to the analysis of uniform one-dimensional distributed systems. *ASME J. Basic Eng.*, **89**, No. 6, 423-432.
- Bruno, R. and Carbone, V. (2013). The solar wind as a turbulence laboratory. *Living Rev. Solar Phys.*, **10**, 2. <http://www.livingreviews.org/lrsp-2013-2> doi:10.12942/lrsp-2013-2
- Carey, V.P. (1992). *Liquid-vapor phase-change phenomena*. Hemisphere Pub. Corp.
- Chanson, H. (2004). *The hydraulics of open channel flow*. Butterworth-Heinemann, Oxford, UK.
- Class, G. and Kadlec, J. (1976). Survey of the behavior of BWR pressure suppression systems during the condensation phase of LOCA. *Paper presented at Amer. Nucl. Soc. Int. Conf., Washington, D.C., Nov. 1976*.
- Corke, T., Guezennec, Y. and Nagib, H. (1981). Modification in drag of turbulent boundary layers resulting from manipulation of large scale structures. NASA- CR-3444.
- Crane Company. (1957) *Flow of Fluids*. Technical Paper No. 410, Crane Company, Chicago, Illinois.
- CRC, (1979). *Handbook of Chemistry and Physics*. Chemical Rubber Company.
- Currie, I.G. (2003). *Fundamental mechanics of fluids*. McGraw-Hill.
- Daily, J.W., and Harleman, D.R.F. (1966). *Fluid Dynamics*. Addison-Wesley.
- Din, F. (1961). *Thermodynamic functions of gases*. Butterworths, London.
- Dussourd, J.L. (1968). An investigation of pulsations in the boiler feed system of a central power station. *ASME J. Basic Eng.*, **90**, 607-619.
- Eckert, E.R.G., and Drake, R.M.Jr. (1958). *Heat and Mass Transfer*. McGraw-Hill Book Co.
- Ekman, V.W. (1905). On the influence of the earth's rotation on ocean-currents. *Archiv. Mat. Astron. Fysik.*, **2**, No.11, 1-52.
- Emmons, H.W., Pearson, C.E., and Grant, H.P. (1955). Compressor surge and stall propagation. *Trans. ASME*, **79**, 455-469.
- Falco, R.E. (1977). Coherent motions in the outer region of turbulent boundary layers. *Phys. Fluids*, **20**, S124-S132.
- Fanelli, M. (1972). Further considerations on the dynamic behaviour of hydraulic turbomachinery. *Water Power*, June 1972, 208-222.
- Gouesbet, G. and Berlemont, A. (1993). *Instabilities in Multiphase Flows*. Plenum Press, New York and London.
- Greitzer, E.M. (1976). Surge and rotating stall in axial flow compressors. Part I: Theoretical compression system model. Part II: Experimental results and comparison with theory. *ASME J. Eng. for Power*, **98**, 190-211.
- Greitzer, E.M. (1981). The stability of pumping systems-the 1980 Freeman Scholar Lecture. *ASME J. Fluids Eng.*, **103**, 193-242.

- Hanley, H.J.M., McCart, R.D., and Sengers, J.V. (1974). *Viscosity and thermal conductivity coefficients of gaseous and liquid oxygen*. NASA CR-2440.
- Hennyey, Z. (1962). *Linear electric circuits*. Pergamon Press.
- Hornung, H.G. (2006). *Dimensional analysis*. Dover Publ. Inc.
- Hoyt, J.W. and Taylor, J.J. (1977). *Waves on water jets*. J. Fluid Mech., **83**, 119-127.
- ICT. (19??). I.C.T., Volume 4, 441.
- Idelchik I.E. (1986). *Handbook of hydraulic resistance*. Hemisphere Pub. Corp.
- Ishii, M. (1982). Two-phase flow instabilities. In *Handbook of multiphase systems* (ed. G. Hetsroni). McGraw-Hill, New York.
- Jaffe, N.A., Okamura, T.T. & Smith, A.M.O. (1970). Determination of spatial amplification factors and their application to predicting transition. AIAA J., **8**, 301-308.
- Jeffreys, H. (1931). *Cartesian tensors*. Cambridge University Press.
- Johnson, V.J. (ed.) (19??). *A compendium of the properties of materials at low temperature. Part 1. Properties of fluids*. Wright-Patterson Air Force Base Report, WADD Tech. Rep. 60-56.
- Kamijo, K., Shimura, T., and Watanabe, M. (1977). An experimental investigation of cavitating inducer instability. *ASME Paper 77-WA/FW-14*.
- Kennard, E.M. (1967). *Irrotational flow of frictionless fluid, mostly of invariable density*. DTMB Report 2299.
- Keulegan, G.H. and Carpenter, L.H. (1958). *Forces on cylinders and plates in an oscillating fluid*. J. Res. Nat. Bur. Standards, **60**, No.5, 423-440.
- Koch, E. and Karwat, H. (1976). Research efforts in the area of BWR pressure suppression containment systems. *Proc. 4th Water Reactor Safety Research Meeting, Gaithersburg, MD, Sept. 1976*.
- Kolmogorov, A. N. (1941a). Energy dissipation in locally isotropic turbulence, Dokl. Akad. Nauk SSSR, Vol. **32**, 1921.
- Kolmogorov, A. N. (1941b). The local structure of turbulence in incompressible viscous fluid for very large Reynolds numbers. Dokl. Akad. Nauk SSSR, **30**, 301-305.
- Lamb, H. (1932). *Hydrodynamics*. Dover Publishing, Sixth Edition.
- Landau, L.D. (1944). A new exact solution of the Navier-Stokes equations. C. R. (DokL) Acad. Sci. URSS, **43**, 286-88.
- Landau, L.D. and Lifshitz, E.M. (1959). *Fluid mechanics*. Pergamon Press (translation).
- Ledinegg, M. (1983). Instabilität der Strömung bei Natürlichen und Zwangumlaut. *Warme*, **61**, No.8, 891-898.
- Liepmann, H.W. and Roshko, A. (1957). *Elements of gas dynamics*. Wiley.
- Lighthill, M.J. (19??). *Waves in fluids*. Cambridge Univ. Press.
- Makay, E. and Szamody, O. (1978). Survey of feed pump outages. *Electric Power Res. Inst. Rep. FP-754*.

- Martin, C.S. (1978). Waterhammer in steam generators and feedwater piping. *Paper presented at Steam Generator Waterhammer Workshop, EPRI, Palo Alto, Cal.*
- Miller, C.D. and Gross, L.A. (1967). A performance investigation of an eight-inch hubless pump inducer in water and liquid nitrogen. *NASA TN D-3807*.
- Monsanto. (19??). Monsanto Chemical Company Data on Toluene.
- Moody, L.F. (1944) Friction factors for pipe flow. *Trans. ASME*, **66**, No.8, 671.
- Morison, J.R., O'Brien, M.P., Johnson, J.W. and Shaef, S.A. (1950). *The forces exerted by surface waves on piles*. J. Petrol. Tech., AIME, **189**, 149-154.
- Munk, M. (1963). *Fluid Mechanics, Part II. Aerodynamic Theory, Vol.1*. Edited by W. Durand. Dover Publ., N.Y.
- Nakanishi, S. *et al.* (1978) Flow instability in boiling tube; 2nd report, Geysering. *Trans. JSME Ser. B*, **44-388**, 4152 (*in Japanese*).
- NASA. (1970). Prevention of coupled structure-propulsion instability. *NASA SP-8055*.
- NBS. (19??). *Thermophysical properties of Helium-4 from 2 to 1500 oK with pressures to 1000 atmospheres*. NBS Tech. Note 631.
- NBS. (19??). *LNG Materials and Fluids*. NBS Cryogenics Division Report.
- Newman, J.N. (1970). *Applications of slender-body theory in ship hydrodynamics*. Ann Rev. Fluid Mech., **2**, 67-94.
- Ng, S.L. and Brennen, C.E. (1978). Experiments on the dynamic behavior of cavitating pumps. *ASME J. Fluids Eng.*, **100**, No. 2, 166-176.
- Obremski, H.J., Morkovin, M.V. and Landahl, M. (1969). A portfolio of stability characteristics of incompressible boundary layers. AGARDograph 134.
- Ogilvie, T.F. (1964). *Recent progress toward the understanding and prediction of ship motions*. Fifth Symp. on Naval Hydrodynamics, Bergen, Norway, 3-28.
- Ohashi, H. (1968). Analytical and experimental study of dynamic characteristics of turbopumps. *NASA TN D-4298*.
- Oseen, C.W. (1910). Archiv. Mat. Astron. Fysik., **6**, 29.
- Patton, K.T. (1965). *Tables of hydrodynamic mass factors for translational motion*. ASME Paper, 65-WA/UNT-2.
- Patton, K.T. (1965). *An experimental investigation of hydrodynamic mass and mechanical impedances*. MS Thesis, Univ. of Rhode Island.
- Paynter, H.M. (1961). *Analysis and design of engineering systems*. MIT Press.
- Pipes, L.A. (1940). The matrix theory for four terminal networks. *Phil. Mag.*, **30**, 370.
- Pipes, L.A. (1963). *Matrix methods for engineering*. Prentice-Hall, Inc., NJ.
- Proudman, I., and Pearson, J.R.A. (1957). Expansions at small Reynolds numbers for the flow past a sphere and a circular cylinder. *J. Fluid Mech.*, **2**, 237-262.

- Reid, R.C., Prausnitz, J.M. and Sherwood, T.K. (1958). *The properties of gases and liquids*. McGraw-Hill Book Company.
- Reynolds, W.C. (1979). *Thermophysical properties in SI*. Stanford University.
- Rohsenow, W.M. and Hartnett, J.P. (1973.) *Handbook of heat transfer*. McGraw-Hill Book Company.
- Rosenhead, L. (1963). *Laminar boundary layers*. Clarendon Press, Oxford.
- Sabersky, R.H., Acosta, A.J., and Hauptmann, E. (1989). *Fluid flow*. Macmillan Publishing Co., New York.
- Sabersky, R.H., Acosta, A.J., Hauptmann, E. and Gates, E. (19??). *Fluid flow*. Prentice Hall.
- Sack, L.E. and Nottage, H.B. (1965). System oscillations associated with cavitating inducers. *ASME J. Basic Eng.*, **87**, 917-924.
- Safwat, H.H. and van der Polder, J. (1973). Experimental and analytic data correlation study of water column separation. *ASME J. Fluids Eng.*, **95**, 91-97.
- Sano, M. (1983). Pressure pulsations in turbo-pump piping systems. Experiments on the natural frequencies of the liquid columns in centrifugal pump piping systems. *Bull. JSME*, **26**, No.222, 2129-2135.
- Sargis, D.A., Stuhmiller, J.H. and Wang, S.S. (1979). Analysis of steam chugging phenomena, Volumes 1, 2 and 3. *Electric Power Res. Inst. Report NP-962*.
- Sarpkaya, T. (1977). *Transverse oscillation of a circular cylinder in uniform flow*. Naval Postgraduate School, Monterey, Report NPS-698177071-R.
- Sarpkaya, T. and Isaacson, M. (1981). *Mechanics of wave forces on offshore structures*. Van Nostrand Reinhold Co., N.Y.
- Schlichting, H. (1960). *Boundary layer theory*. McGraw-Hill.
- Schubauer, G.B. and Skramstad, H.K. (1947). *Laminar boundary-layer oscillations and stability of laminar flow*. *J. Aeronaut. Sci.*, **14**, 69-78.
- Shaughnessy, E.J., Jr., Katz, I.M., and Schaffer, J.P. (2005). *Introduction to fluid mechanics*. Oxford Univ. Press.
- Shen, S.F. (1954). *Calculated amplified oscillations in the plane Poiseuille and Blasius flows*. *J. Aeronaut. Sci.*, **21**, 62-64.
- Sherman, F.S. (1990). *Viscous flow*. McGraw-Hill, Inc.
- Skop, R.A., Ramberg, S.E. and Ferer, K.M. (1976). *Added mass and damping forces on circular cylinders*. Naval Research Laboratory, Washington, D.C., Report NRL 7970.
- Slezkin, N.A. 1934. *On a case of integrability of the complete differential equations of a viscous fluid*. *Moskov. Gos. Univ. Uch. Zap.*, **2**, 89-90.
- Squire, H.B. 1951. *The round laminar jet*. *Quart. J. Mech. Appl. Math.*, **4**, 321-329.
- Stewartson, K. 1951. *On the impulsive motion of a flat plate in a viscous fluid*. *Quart. J. Mech. Appl. Math.*, **4**, No.2, 182-198.
- Strecker, F. and Feldtkeller, R. (1929). Grundlagen der Theorie des allgemeinen Vierpols. *Elektrische Nachrichtentechnik*, **6**, 93.

- Streeter, V.L. and Wylie, E.B. (1967). *Hydraulic transients*. McGraw-Hill.
- Streeter, V.L. and Wylie, E.B. (1974). Waterhammer and surge control. *Ann. Rev. Fluid Mech.*, **6**, 57-73.
- Stoker, J.J. (1957). *Water waves*. Interscience Publ.
- Stokes, G.G. 1851. On the effect of internal friction of fluids on the motion of pendulums. *Trans. Camb. Phil. Soc.* **9**, Part ii, 8106.
- Streeter, V.L. and Wylie, E.B. (1974). *Waterhammer and surge control*. *Ann. Rev. Fluid Mech.*, **6**, 57-73.
- Tae-il, K., Okamoto, K. and Madarame, H. (1993). *Study of the effective parameters for the geysering period*. In *Instabilities in Multiphase Flows* (eds: G.Gouesbet and A.Berlemont), 125-136, Plenum Press.
- Tanahashi, T. and Kasahara, E. (1969). Analysis of water hammer with water column separation. *Bull. JSME*, **12**, No.50, 206-214.
- Thwaites, B. (1960), *Incompressible aerodynamics*. Dover Publ., New York.
- Van Dyke, M. 1982. *An album of fluid motion*. Parabolic Press.
- Wade, G.E. (1974). Evolution and current status of the BWR containment system. *Nuclear Safety*, **15**, No.2.
- Wehausen, J.V. (1971). *Motion of floating bodies*. *Ann Rev. Fluid Mech.*, **3**, 237-268.
- Wendel, K. (19). *Hydrodynamic masses and hydrodynamic moments of inertia*. DTMB Translation, No.260.
- Weyler, M.E., Streeter, V.L., and Larsen, P.S. (1971). An investigation of the effect of cavitation bubbles on the momentum loss in transient pipe flow. *ASME J. Basic Eng.*, **93**, 1-10.
- White, F.M. (1974). *Viscous fluid flow*. McGraw-Hill, Inc.
- White, F.M. (1979). *Fluid mechanics*. McGraw-Hill, Inc.
- Whitham, G.B. (1999). *Linear and nonlinear waves*. Wiley, New York.
- Wiggert, D.C. and Sundquist, M.J. (1979). The effect of gaseous cavitation on fluid transients. *ASME J. Fluids Eng.*, **101**, 79-86.
- Wittwer, A.R., Welter, G.S. and Loredou-Souza, A.M. 2013. *Statistical analysis of wind tunnel and atmospheric boundary layer turbulent flows*. Chap.9 of *Wind Tunnel Designs and Their Diverse Engineering Applications*, 197-218. <http://dx.doi.org/10.5772/54088>
- Yamamoto, K. (1991). Instability in a cavitating centrifugal pump. *JSME Int. J., Ser. II*, **34**, 9-17.
- Yih, C.-S. (1969). *Fluid Mechanics*. McGraw-Hill Book Co.