

Referências Bibliográficas

ASHRAE, **ASHRAE Handbook – Fundamentals**, American Society of Heating, Refrigerating, and Air Conditioning Engineers, Atlanta, 2005.

ASHRAE, **ASHRAE Handbook – Refrigeration**, American Society of Heating, Refrigerating, and Air Conditioning Engineers, Atlanta, 1994.

Bandarra Filho, E. P., Ribatski, G., Parise, J. A. R., Passos, J. C., **Single-Phase Flow of Nanofluids Inside Tubes**, 12th Brazilian Congress of Thermal Engineering and Sciences, November 10-14, Belo Horizonte, MG, 2008.

Barbieri, P., Estudo Teórico – **Experimental da Ebulição Convectiva do Refrigerante R-134a em Tubos Lisos**, Tese de Doutorado, Escola de Engenharia de São Carlos da Universidade de São Paulo, 2005.

Bikov, A., **Refrigerating Compressors**, Legkaja i Pishtevaja Promishlenost, Moscow, 1981.

Choi, S., **Enhancing thermal conductivity of fluids with nanoparticles**, In: D. A. Siginer, H. P. Wang (Eds.), **Developments and Applications of Non-Newtonian Flows**, FED-vol. 231/ MD-vol. 66, ASME, New York, pp. 99-105, 1995.

Choi, Y., **A Generalized Pressure Drop Correlation for Evaporation and Condensation of Alternative Refrigerants in Smooth and Micro-fin Tubes**, United States Department of Commerce Technology Administration National Institute of Standards and Technology Building and Fire Research Laboratory Gaithersburg, MD 20899, 1999.

Chong, K. P., **Research and Challenges in Nanomechanics** 90-minute Nanotechnology Webcast, ASME, Oct. 2002; archived in www.asme.org/nanowebcast

Ciconkov, R., Ciconkov, V., **Work Characteristics of Reciprocating Compressor for Refrigeration System Developed with Computer Simulation**, International Congress of Refrigeration, Beijing, 2007.

Ciconkov, R., Hilligweg A., **Kolbenverdichter – Simulation des Leistungsverhaltens beim Einsatz in einem Verflüssigungssatz**, Ki Kälte und Klimatechnik, Ki Luft- und Kältetechnik, No 3, 2003.

Dagmar, J., **Develop Data Base for Determining Optimum Compressor Rating Points for Residential Refrigerator and Freezer Compressors**, Master Thesis, University of Wisconsin 1999.

Das, D., **Viscosity of copper oxide nanoparticles dispersed in ethylene glycol and water mixture**, Experimental Thermal and Fluid Science 32, pp, 397–402, 2007.

Dittus, P.W., Boelter, L.M.K., **Heat Transfer in Automobile Radiators of the tubular type**. Univ. Calif. Pub. Eng., pp. 443-461, 1930.

Eastman J.A., Choi S.U.S., Li S., Soyey G., Thompson L.J., DiMelfi R.J., **Novel thermal properties of nanostructured materials**, Materials Science Forum, Vol. 312, pp. 629-634, 1999.

Eastman, J., Choi, S., Yu, W., Thompson, L. J.. **Anomalously increased effective thermal conductivities of ethylene glycol-based nanofluids containing copper nanoparticles**, American Institute of Physics, 28, pp 718-720, 2001.

EES, Engineering Equations Solver, F-Chart software, LLC, 2004.

Einstein, A., **Eine neue Bestimmung der Moleküldimensionen**. Annalen der Physik, 19: 289-306, 1903.

El Hajal, J., Thome, J.R., Cavallini, A., **Condensation in horizontal tubes, part 1: two-phase flow pattern map**, International Journal of Heat and Mass Transfer, 46, pp 3349–3363, 2003.

Fonseca, M., H., **Caracterização Termofísica de Nanofluidos**, Dissertação de Mestrado, Programa de Pós-graduação de Engenharia da Universidade Federal do Rio de Janeiro, 2007.

Graqvist, C., G., e Buhrman, R.,A., **Ultrafine Metal Particles**. **Journal of Applied Physics** **47**: 22002219, 1976.

Gungor, k., Winterton, R., **A general correlation for flow boiling in tubes and annuli**, **International Journal of Heat Transfer**, 29 pp 351–358, 1986.

Hamilton R.L., Crosser, O. K., **Thermal Conductivity of Heterogeneous Two-Component Systems**, **I & EC Fundamentals** **1**, 187–191, 1962.

Heris, Z. S., Nasr Esfahany, M., Etemad, S.Gh., **Experimental investigation of convective heat transfer of Al_2O_3 /water nanofluid in circular tube**, **International Journal of Heat and Fluid Flow**, 28 (2007) pp, 203–210, 2007.

Hosokawa, M., Nogi, K., Yokoyama, T., **Nanoparticle Technology Handbook**, Ed Elsevier, Netherlands, 2007.

Incropera, F. P. e De Witt, D. P., **Fundamentos de Transferencia de Calor e de Massa**, LTC, Rio de Janeiro. 1998.

Incropera, F.P., De Witt, D. P., **Fundamentals of Heat and Mass Transfer**, John Wiley & Sons, New York, 2001.

IPCC, **Informe especial IPCC/GETE sobre a proteção da camada de ozônio e o sistema climático mundial, questões referidas ao hidrofluorcarbonetos e aos perfluorcarbonetos**, 2005.

Jacobi, A., Park, Y., Sommers, A., Liu, L., Michna, G., Joardar, A., **Nanoparticle to Enhance Evaporative Heat Transfer**, **International Congress of Refrigeration**, 2007, Beijing.

Jang, S., Choi, S., **Role of Brownian motion in the enhanced thermal conductivity of nanofluids**, **American Institute of Physics**, 84, pp 4316-4319, 2004.

Kattan, N., Thome, J.R., Favrat, D., **Flow Boiling in Horizontal Tubes: Part 1 – development of a diabatic two-phase flow pattern map**, Journal of Heat Transfer, New York, V. 120, n. 1, p. 140 – 147, fev. 1998.

Kedzierski, M. A., Gonçalves, J. M., **Horizontal Convective Condensation of Alternative Refrigerants Within a Micro-Fin Tube**, Journal of Enhanced Heat Transfer, Vol. 6, pp. 161-178, 1999.

Kedzierski, M. A., **Effect of CuO Nanoparticle Concentration on R134a/Lubricant Pool Boiling Heat Transfer**, National Institute of Standards and Technology, Micro/Nanoscale Heat Transfer International Conference January 6-9, Tainan, Taiwan, 2008.

Kelley, C.T., **Solving Nonlinear Equations with Newton's method**, 2003.

Kempiak, M.J., Crawford, R.R., **Three-zone steady-state modeling of a mobile air-conditioning condenser**, ASHRAE Trans. 98 (pt 1) 475 e 488, 1992.

Kim, H. S., Choi, R. S., Kim, D., **Thermal Conductivity of Metal-Oxide Nanofluids: Particle Size Dependence and Effect of Laser Irradiation**, Journal of Heat Transfer, 129 4, pp. 298-307, 2007.

Kostic, M., **Nanofluids: Advanced Flow and Heat Transfer Fluids**, Northern Illinois University, Janeiro 15, 2004.

Kulkarni, D. P., Das, D. K., Chukwu, G. A., **Temperature Dependent Rheological Property of Copper Oxide nanoparticles Suspension (Nanofluid)**, Journal of Nanoscience and Nanotechnology 6, pp 1150-1154, 2006.

Kulkarni, D., Das, D., Chukwu, G., **Temperature Dependent Rheological Property of Copper Oxide Nanoparticles Suspension (Nanofluid)**, Journal of Nanoscience and Nanotechnology, 6 No 4, 2006.

Le, C.V., Bansal, P.K., Tedford, J.D., **Three-zone system simulation model of a multiple-chiller plant**, Appl. Therm. Eng. 24 (14e15), 1995 e 2015, 2004.

Lemman, E.W., McLinden, M.O. Hubei, M.L., **NIST Reference FLuidThermodynamic and Transport Properties –REFPROP version 7.0**, User's Guide, NIST- National Institute of Standards and Technology, Gaithersburg, EUA, August, 2002.

Li Qiang, and Xuan Yimin, **Convective heat transfer and flow characteristics of Cu-water nanofluid**. Science in China, Series E, Vol. 45, No. 4, pp. 408-416, 2002.

Liu, Z. H. Masliyah, J. H., **Rheology of Suspensions. In Suspensions: Fundamentals and Applications in the Petroleum Industry**, edited by L. L. Schramm, American Chemical Society Advances in Chemistry Series 251: 107-176, 1996.

Macias, B. I., **Deteção de Vazamentos em Tubulações Transportando Gás**, Dissertação de Mestrado, Faculdade de Engenharia Química, Campinas, SP, 2004.

Martins Costa, M. L., Parise, J.A.R., **Three-zone simulation model for air-cooled condensers**, Heat Recov. Syst. CHP 13 (2), pp 97 e113. (1993).

Maxwell, J.C., **Treatise on Electricity and Magnetism**, Oxford, Clarendon Press, 1873.

Moran, M. J. Shapiro N., **Fundamentals of Engineering Thermodynamics**, John Wiley & Sons, New York, 2nd edition, 1993.

Pak, B. C., Cho, Y. I., **Hydrodynamic and Heat Transfer Study of Dispersed Fluids with Submicron Metallic Oxide Particle**, Experimental Heat Transfer, 11, pp. 151-170, 1998.

Palm, B., **Refrigerating Engineering Chapter 8**, Departament of Energy Technology Division of Applied Thermodynamics and Refrigeration The Royal Institute of Technology Stockholm, Sweden, 2006.

Prasher, R., **Thermal Conductivity of Nanoscale Colloidal Solutions (Nanofluids)**, Physical Review Letters, 99 025901, 2005.

Pruzaesky, F.C., Parise, J.A.R., Braga, S., Ticoná, E., **Pasta de Gelo e Nanofluidos e Fluido Refrigerante em Sistemas de Refrigeração**, Revista Climatização e Refrigeração, edição 96, agosto de 2008.

Pruzaesky, F.C., Parise, J.A.R., **Estudo Preliminar sobre a Aplicação de Nanofluidos em Processos de Transferência de Calor**, CITARE - Ibero-American Conference on Technology Innovation and Strategic Areas, Rio de Janeiro, 11-14 de junho de 2007a.

Pruzaesky, F.C., Parise, J.A.R., **Uso de Nanofluidos em Aplicações de Refrigeração**, X Congresso Brasileiro de Refrigeração, Ar Condicionado, Ventilação, Aquecimento e Tratamento de Ar, CONBRAVA 2007, São Paulo, 18-21 de Setembro de 2007b.

Rea, U., **Experimental Study of Alumina-Water and Zirconia-Water nanofluids convective heat transfer and viscous pressure loss in laminar regime**, Bachelor of Science in Mechanical Engineering at the Massachusetts Institute of Technology, 2008.

Rouhani, S. Z., Axelsson, E., **Calculation of Void Volume Fraction in the Subcooled and Quality Boiling Regions**. Int. Journal Heat Mass Transfer 13 pp. 383–393. 1970,

Seider, E.N. and E. Tate, **Heat Transfer and Pressure Drop of Liquids in Tubes**, Industrial Engineering Chemistry, 28: p. 1429, 1936.

Shao, L., Zhang, C., **Logic unconstrained multi-zone evaporator and condenser**, International Journal of Refrigeration 30 pp 926-931 2007.

Shende, R., **The Refrigerant Industry's Journey towards Sustainability**, United Nations Environment Programme, August, 2007.

Stoecker, W. F., Jabardo, J. S., M., **Refrigeração Industrial**, Editora Edgar Blücher LTDA, São Paulo, 2002.

Stoecker, W. F., **Industrial Refrigeration Handbook**, McGraw-Hill, 2004.

Thome, J., El Hajal, J., Cavallini, A., **Condensation in horizontal tubes, part 2: two-phase flow pattern map**, International Journal of Heat and Mass Transfer, 46, pp 3365–3387, 2003.

Trisaksria, V., Wongwises, S., **Critical review of heat transfer characteristics of nanofluids**, Department of Mechanical Engineering, King Mongkut's University of Technology Thonburi, Bangkok, Thailand, 2004.

Vasu, V., Rama Krishna, K., Kumar, A.C.S., **Thermal design analysis of compact heat exchanger using nanofluids**, International Journal of Nanomanufacturing, 2, Nro. 3, 2008.

Velagapudi, et al., **Empirical Correlations to Predict Thermophysical Heat Transfer Characteristics of Nanofluids**, Journal of Thermal Science, 12, pp 27-37, 2008.

Wang, Q. X., Mujumdar, S. A., **Heat Transfer Characteristics of Nanofluids: a Review**, International Journal of Thermal Sciences, 46, pp. 1-19, 1999.

Wang, X., Mujumdar, A., **A Review on Nanofluids - Part I: Theoretical and Numerical Investigations**, 25, pp 613-630, 2008.

Wen, D., Ding, Y., **Experimental Investigation Into Convective Heat Transfer of Nanofluids at the Entrance Region under Laminar Flow Conditions**, International Journal Heat and Mass Transfer, 47, pp. 5181-5188, 2004.

Williams, C., **Experimental and Theoretical Investigation of Transport Phenomena in Nanoparticle Colloids (Nanofluids)**, PhD Thesis in Nuclear Science and Engineering, Massachusetts Institute of Technology, 2006.

Witharama, S., **Boiling of Refrigerants on Enhanced Surfaces and Boiling of Nanofluids**, Licentiate Thesis, Department of Energy Technology Division of Applied Thermodynamics and Refrigeration The Royal Institute of Technology Stockholm, Sweden, 2003.

Wong, V., Kurma, T., al. **Transport Properties of Alumina Nanofluids Role**, American Institute of Physics, 19, pp 1-8, 2008.

Wongwise, S., Trisaksri, V., **Critical Review of Heat Transfer Characteristics of Nanofluids**, Renewable and Sustainable Energy Reviews, Volume 11, Issue 3 , Pages 512-523, April 2007.

Wylen, G. J. V., Sonntag, R. E., Borgnakk, C., **Fundamentos da Termodinâmica**, Blücher, São Paulo. 1998

Xiang-Qi, W., Mujumdar, A.S., **A review on Nanofluids –Part II: Experiments and Applications**, Brazilian Journal of Chemical Engineering, Vol 25, No. 04, pp 631-648, October – December, 2008.

Xuan, Y., Li, Q., **Investigation of Convective Heat Transfer and Flow Features of Nanofluids**, Journal of Heat Transfer, pp. 151-153, 2003.

Xuan, Y., Li, Q., **Investigation on Convective Heat Transfer and Flow Features of Nanofluids**, Journal of Heat Transfer, 125, pp 151-155, 2003.

Xuan, Y., Roetzel, W., **Conceptions for heat transfer correlations for nanofluids**. International Journal of Heat and Mass Transfer, Vol. 43, Issue 19, pp. 3701-3707. 2000.

Yu, W., France, D.M., Choi, S., Routbort., **Review and Assessment of Nanofluid Technology for Transportation and Other Applications**, Energy Systems Division, Argonne National Laboratory, 2007.