

# Literatura

- [1] Abbott M.: Fluid Phase Equilib. 29,193(1982).
- [2] Abrams D.S., Prausnitz J.M.: AIChE J. 21,116(1975).
- [3] Aim K., Hála E.: Measurement of Vapor-Liquid Equilibria at Low and Normal Pressures. In: Thermodynamics of Fluids. Measurement and Correlation. Malanowski S., Anderko A., editors. World Scientific, Singapore, 1990.
- [4] Alessi P., Fermeiglia M., Kikic I.: Fluid Phase Equilib. 29,249(1986).
- [5] Ambrose D.: Vapor Pressures, 13. Chapt. in: Le Neindre B., Vodar B.: Experimental Thermodynamics, II. Butterworths, London, 1975.
- [6] Antoine C.: Compt.rend. 107,681,836(1888).
- [7] Ben-Naim A., Baer S.: Trans.Faraday Soc. 59,2735(1963).
- [8] Benson B.B., Krause D.: J.Chem.Phys. 64,689(1976).
- [9] Bondi A.: Physical Properties of Molecular Crystals, Liquids and Gases. Wiley, New York, str.450-468, 1968.
- [10] Boublík T., Fried V., Hála E.: The Vapour Pressures of Pure Substances. Elsevier, New York, 1973,1984.
- [11] Cibulka I., Holub R.: Chemické listy 72,457(1978).
- [12] Clever H.L., Battino R.: Solutions and Solubilities. Part 1.Ch.VII (editor M.R.J. Dack), Wiley, New York, 1975
- [13] Conder J.R., Young C.L.: Physicochemical Measurement by Gas Chromatography. Wiley, New York, 1979.
- [14] Connemann M., Gaube J., Karrer L., Pfenning A., Reuter U.: Fluid Phase Equil. 60,99(1990).
- [15] Cox E.R.: Ind.Eng.Chem. 28,613 (1936).
- [16] Dankwerts P.V.: Reakce v soustavě plyn-kapalina. SNTL, Praha, 1975.
- [17] Denbigh K.: Základy chemické termodynamiky. SNTL, Praha, 1965.
- [18] Derr E.L., Deal C.H.: Inst.Chem.Eng.Symp.Ser.(London) 3,40(1969).
- [19] Din F.: Thermodynamic Functions of Gases(I). Butterworths, London, 1956.
- [20] Dohnal V.: PLACID - Prague Limiting Activity Coefficient Inquiry Database. IUPAC Project, VŠCHT Praha, v přípravě.
- [21] Dohnal V., Fenclová D.: Fluid Phase Equilib. 21,211(1985).
- [22] Dohnal V., Novotná M.: Fluid Phase Equilib. 23,303(1985).



- [23] Dohnal V., Vrbka P.: *Fluid Phase Equilib.* 54,121(1990).
- [24] Domanska U., Rolinska J.: *Solid-Liquid Data Collection. I-Organic Compounds Monocarboxylic Acids.* PWN, Warszawa, 1988.
- [25] Döring R., Knapp H., Oelrich L.R., Plöcker U.J., Prausnitz J.M.: *Vapour-Liquid Equilibria of Mixtures of Low Boiling Substances.* Dechema Chemistry Data Series VI, Frankfurt, 1982.
- [26] Dreisbach R.R.: *Physical Properties of Chemical Compounds.* Vol.I., Vol.II., - Vol.III., Amer.Chem.Soc., Washington, 1961.
- [27] Dykyj J., Repáš M.: *Tlak nasýtenej páry organických zlúčenin.* Veda, Bratislava, 1979.
- [28] Dykyj J., Repáš M., Svoboda J.: *Tlak nasýtenej páry organických zlúčenin.* Veda, Bratislava, 1984.
- [29] Fenclová D., Dohnal V.: *J.Chem.Thermodyn.*, 25,689(1993).
- [30] Flory P.J.: *J.Chem.Phys.* 9,660(1941); 10,51(1942).
- [31] Francis A.W.: *Critical Solution Temperatures.* Amer.Chem.Soc., Washington D.C., 1961.
- [32] Fredenslund A., Jones R.L., Prausnitz J.M.: *AICHE J.* 21,1086(1975).
- [33] Fredenslund A., Gmehling J., Rasmussen P.: *Vapor-Liquid Equilibria Using UNIFAC.* Elsevier, Amsterdam, 1977.
- [34] Frost A.A., Kalkwarf D.R.: *J.Chem.Phys.* 21,264(1953).
- [35] Frumar M.: *Chemie pevných látok I. Skriptum VŠChT Pardubice,* 1992.
- [36] Gerrard W.: *Solubility of Gases in Liquids.* Plenum Press, New York, 1976.
- [37] Gerrard W.: *Gas Solubilities.* Pergamon Press, Oxford, 1980.
- [38] Gmehling J., Li J., Schiller M.: *Ind.Eng.Chem.Res.* 32,178(1993).
- [39] Gmehling J., Kolbe B.: *Thermodynamik.* G.Thieme Verlag, Stuttgart, 1988.
- [40] Gmehling J., Onken U., Arlt W., Grenzhauser P., Kolbe B., Rarey J.R., Weidlich U.: *Vapour-Liquid Equilibrium Data Collection.* 16 Parts. Dechema, Frankfurt a/M, 1977-1993.
- [41] Guggenheim E.A.: *Mixtures.* Clarendon Press, Oxford, 1952.
- [42] Haase R.: *Thermodynamik der Mischphasen.* Springer-Verlag, Berlin, 1956.
- [43] Haggemacher J.E.: *J.Am.Chem.Soc.* 68,1633(1946).
- [44] Hachenberg H., Schmidt A.P.: *Gas Chromatographic Head-Space Analysis.* Heyden, London, 1976.
- [45] Hála E.: *Úvod do chemické termodynamiky.* Academia, Praha, 1975.
- [46] Hála E., Pick J., Fried V., Vilím O.: *Vapour-Liquid Equilibrium.* Pergamon Press, Oxford, 1967.
- [47] Hansen H.K., Rasmussen P., Fredenslund A., Schiller M., Gmehling J.: *Ind. Eng.Chem.Res.* 30,2352(1991).
- [48] Heidman J.L., Tsonopoulos C., Brady C.J., Wilson G.M.: *AICHE J.* 31,376(1985).



- [49] Hildebrand J.H.: J.Amer.Chem.Soc. 51,66(1929).
- [50] Hildebrand J.H.,Scott R.L.: Regular Solutions. Prentice Hall, Englewood Cliffs, 1962.
- [51] Hildebrand J.H.,Prausnitz J.M.,Scott R.L.: Regular and Related Solutions. Van Nostrand, New York, 1970.
- [52] Hnědkovský V.,Cibulka J.,Malijejská I.:J.Chem.Thermod.22,135(1990).
- [53] Hodek J.,Jehlička V.,Zábranský M.,Juliš J.: Návody pro laboratorní cvičení z fyzikální chemie. VŠhT Praha, 1980.
- [54] Horsley L.H.: Azeotropic Data III. Advances in Chemistry Series 116. American Chemical Society, Washington, 1973.
- [55] Huggins M.L.: J.Phys.Chem. 9,440(1941).
- [56] Hultgren R., Desai D.D., Hawkins D.T., Gleiser M., Kelley K.K.: Selected Values of the Thermodynamic Properties of Binary Alloys. Am.Soc. for Metals, Metals Park, Ohio, 1973.
- [57] Chao K.C., Greenkorn R.A.: Thermodynamics of Fluids. Dekker, New York, 1975.
- [58] Christensen C., Gmehling J., Rasmussen P., Weidlich U., Holderbaum T.: Heats of Mixing Collection. Parts 1,2,3, Dechema Chemistry Data Series, Frankfurt, 1984,1984,1991.
- [59] Christensen J.J.,Hanks R.W.,Izath R.M.: Handbook of Heats of Mixing. J.Wiley, New York, 1982.
- [60] Jancso G.,Pupezin J.,van Hook W.A.: J.Phys.Chem. 74,2984(1970).
- [61] Kemeny S., Mancinger J., Skjold-Jorgensen S., Toth K.: AICHE J., 28,20(1982).
- [62] Kertes A.S. (Chief editor): IUPAC Solubility Data Series. Pergamon Press, Oxford, 1979-1989. Vol.1(Helium and Neon), 2(Krypton, Xenon and Radon), 4(Argon), 5/6(Hydrogen and Deuterium), 7(Oxygen and Ozone), 8(Oxides of Nitrogen), 9(Ethane), 10(Nitrogen and Air), 12(Sulfur Dioxide, Chlorine, Fluorine and Chlorine Oxides), 21(Ammonia, Amines, Phosphine, Arsine, Stibine, Silane, Germane and Stannane in Organic Solvents), 24(Propane, Butane and 2-Methylpropane), 27/28(Methane), 32(Hydrogen Sulfide, Deuterium Sulfide and Hydrogen Selenide).
- [63] Keyes F.G., Hildebrand J.H.:J.Amer.Chem.Soc. 39,2126(1917).
- [64] Kikic I., Alessi P., Rasmussen P., Fredenslund A.:Can.J.Chem.Eng. 58,253(1980).
- [65] King M.B.: Phase Equilibria in Mixtures. Pergamon Press, Oxford, 1969.
- [66] King C.: Separation Processes. 2nd Edition. McGraw Hill, New York, 1980.
- [67] Kistiakowski W.: Z.physik.Chemie 107,65(1923).
- [68] Kojima K., Tochigi T.: Prediction of Vapor-Liquid Equilibria by the ASOG method. Elsevier, Amsterdam, 1979.
- [69] Kričevskij I.R., Ilinskaja A.A.: Žur.Fiz.Chim. 19,621(1945).



- [70] Kričevskij I.R., Kasarnovskij J.S.: J.Amer.Chem.Soc. 57,2168(1935).
- [71] Ladurelli A.J., Eon C.H., Guiochon G.: Ind.Eng.Chem., Fundam. 14,191(1975).
- [72] Lee B.I., Kesler M.G.: AIChE J. 21,510(1975).
- [73] Leitner J., Voňka P.: Thermodynamika materiálů. Skriptum VŠChT Praha, 1993.
- [74] Leo A., Hansch C., Elkins D.: Chem.Rev. 71,525(1971).
- [75] Leroi J.-C., Masson J.-C., Renon H., Fabries J.-F., Sannier H.: Ind.Eng.Chem., Proc.Des.Dev. 16,139(1977).
- [76] Lupis C.H.P.: Chemical Technology of Materials. Elsevier, Amsterdam, 1983.
- [77] Maczynski A. a spol.: Verified Vapor-Liquid Equilibrium Data. PWN, Warszawa, 1977-1993.
- [78] Majer V., Svoboda V., Pick J.: Heats of Vaporization of Fluids. Academia Praha, 1989.
- [79] Majer V., Svoboda V.: Enthalpies of Vaporization of Organic Compounds, a critical review and data compilation. IUPAC Chemical Data Series No.32, Blackwell, Oxford, 1985.
- [80] Malanowski S.: Fluid Phase Equilib. 8,197(1982).
- [81] Malinovský M., Roušar I. a kol.: Teoretické základy pochodů anorganické technologie I. SNTL, Praha, 1987.
- [82] Marina J.M., Tassios D.P.: Ind.Eng.Chem., Proc.Des Dev. 12,67(1973).
- [83] Marsh K.N.: The Measurement of Thermodynamic Excess Functions of Binary Liquid Mixtures. In: Specialist Periodical Reports (Ed.McGlashan M.L.), Chemical Thermodynamics Vol.2, The Chem.Soc., Burlington House, London, 1978.
- [84] Mathias P.M., Copeman T.W.: Fluid Phase Equil. 13,91(1983)
- [85] McDermott C., Ellis S.R.M.: Chem.Eng.Sci. 20,293(1965).
- [86] McGerry J.: Ind.Eng.Chem., Process Des.Dev. 22,313(1983).
- [87] Mertl I.: Coll.Czech.Chem.Comm. 37,375 (1972).
- [88] Michelsen M.L.: Fluid Phase Equil. 9,21(1982).
- [89] Modell M., Reid R.C.: Thermodynamics and its Applications. Prentice Hall, Englewood Cliffs, 1974.
- [90] Moračevskij A.G., Belousov V.P.: Vestnik Leningr. Univ. Fiz. Khim. 13(4), 117(1958).
- [91] Nagata I.: Fluid Phase Equil. 59,191(1990); 60,99(1990)
- [92] Nitta T., Nakamura Y., Ariyasu H., Katayama T.: J.Chem.Eng.Japan 13,97(1980).
- [93] Nocom G., Weidlich U., Gmehling J., Onken U.: Ber.Bunsenges.Phys.Chem. 87,17(1983).
- [94] Novák J., Matouš J., Šobr J.: Chemická termodynamika I. Skriptum VŠChT Praha, 1986.



- [95] Novák J., Šobr J.: Příklady z chemické termodynamiky I. Skriptum VŠChT Praha, 1989.
- [96] Novák J., Matouš J.: Příklady z technické fyzikální chemie II. Fázové rovnováhy. Skriptum VŠChT Praha, 1980.
- [97] Šobr J., Novák J., Matouš J.: Příklady z chemické termodynamiky IV, Skriptum VŠChT Praha, 1987.
- [98] Novák J.P., Matouš J., Pick J.: Liquid-Liquid Equilibria. Academia, Praha, 1987.
- [99] Novák J.P., Růžička V., Malijevský A., Matouš J., Linek J.: Coll.Czech. Chem. Commun. 50,1(1985), 50,23(1985).
- [100] Novák J.P., Voňka P., Suška J., Matouš J., Pick J.: Coll.Czech.Chem.Comm. 39,3593(1974).
- [101] Null H.R.: Phase Equilibria in Process Design. J.Wiley, New York, 1970.
- [102] O'Shea S.J., Stokes R.H.: J.Chem.Thermodyn. 18,691(1986).
- [103] Parcher J.F., Weiner P.H., Hussey C.L., Westlake T.N.: J.Chem.Eng.Data 20,145(1975).
- [104] Pividal K.A., Birtigh A., Sandler S.I.: J.Chem.Eng.Data 37,484(1992).
- [105] Planck R., Riedel L.: Ing.Arch. 16,255(1948).
- [106] Prausnitz J.M., Anderson T.F., Grens E.A., Eckert C.A., Hsieh R., O'Connell J.P.: Computer Calculations for Multicomponent Vapor-Liquid and Liquid-Liquid Equilibria. Prentice-Hall, Englewood Cliffs, 1980.
- [107] Prausnitz J.M., Eckert C.A., Orye R.V., O'Connell J.P.: Computer Calculations for Multicomponent Vapor-Liquid Equilibria. Prentice-Hall, Englewood Cliffs, 1967.
- [108] Prausnitz J.M., Lichtenthaler R.N., de Azavedo E.G.: Molecular Thermodynamics of Fluid Phase Equilibria. Prentice-Hall, Englewood Cliffs, 1986.
- [109] Prausnitz J.M., Shair F.H.: AIChE J. 7,682(1961).
- [110] Prigogine I., Defay R.: Chemical Thermodynamics. Longmans, London, 1954.
- [111] Redlich O., Kister A.T.: Ind.Eng.Chem. 40,345(1948).
- [112] Reid R.C., Prausnitz J.M., Poling B.E.: The Properties of Gases and Liquids. McGraw Hill, New York, 1987.
- [113] Renon H., Prausnitz J.M.: AIChE J. 14,135(1968).
- [114] Riedel L.: Chem.Eng.Techn. 26,679(1954).
- [115] Rod V., Hančil V.: Comput.Chem.Eng. 4,33(1980)
- [116] Rowlinson J.S.: Liquids and Liquid Mixtures. Butterworths, London, 1969.
- [117] Sadus R.J.: High Pressure Phase Behaviour of Multicomponent Fluid Mixtures. Elsevier, Amsterdam, 1992.
- [118] Sandarusi J.A., Kidnay A.J., Yesevage V.F.: Ind.Eng.Chem. Process Des. Dev. 25,957(1986).
- [119] Sečenov J.: Z.Phys.Chemie 8,657(1891).



- [120] Smith J.H., Van Ness H.C.: Introduction to Chemical Engineering Thermodynamics. McGraw Hill, New York, 1975.
- [121] Soave G.: Chem.Eng.Sci. 27,1197(1972).
- [122] Söhnel O.: J.Chem.Eng.Data 37,23 (1992).
- [123] Sörensen J.M., Arlt W.: Liquid-Liquid Equilibrium Data Collection. Dechema Chemistry Data Series, Vol.V,(3 Bände), Frankfurt, 1979,1980.
- [124] Stabinger H., Leopold H., Kratky O.: Monatsh. Chem. 98,436(1967).
- [125] Storonkin A.V.: Termodinamika geterogennykh sistem. Izd. Leningr. Univ., Leningrad, 1967.
- [126] Surový J., Dojčanský J., Bafrncová S.: Col. Czech. Chem. Commun. 47,1420,(1982).
- [127] Šatava V., Rybaříková L., Matoušek J.: Fyzikální chemie silikátů. Skriptum VŠChT Praha, 1986.
- [128] Šobr J., Novák J., Matouš J.: Příklady z chemické termodynamiky IV. Skriptum VŠChT Praha, 1987.
- [129] Thiesen M.: Verb.Dtsch.Phys.Ges. 16,80(1897)
- [130] Thomas E.R., Newman B.A., Nicolaidis G.L., Eckert C.A.: J.Chem.Eng.Data 27,233(1982).
- [131] Thomas E.R., Eckert C.A.: Ind.Eng.Chem., Proc.Des.Dev. 23,194(1984).
- [132] Tiegs D., Gmehling J., Medina A., Soares M., Bastos J., Alessi P., Kikic I.: Activity Coefficients at Infinite Dilution. 2 Parts. Dechema, Frankfurt a/M, 1986.
- [133] Timmermans J.: Physico-Chemical Constants of Binary Systems in Concentrated Solutions. Vol.I - IV, Interscience Publ., New York, 1970
- [134] Trouton F.: Phil.Mag.18(5),54(1884).
- [135] Tsonopoulos C.: AIChE J. 20,263(1974); 21,827(1975); 24,1112(1978).
- [136] Tsonopoulos C., Wilson G.M.: AIChE J. 29,990 (1983).
- [137] Van Ness H.C.: Chemical Thermodynamics of Non-Electrolyte Solutions. Pergamon Press, Oxford, 1964.
- [138] Van Ness H.C., Abbott M.M.: Classical Thermodynamics of Nonelectrolyte Solutions with Applications to Phase Equilibria. McGraw Hill, New York, 1982.
- [139] Veselý F., Hynek V., Svoboda V., Holub R.: Collect.Czech.Chem.Comm. 39, 355(1974).
- [140] Voňka P., Dittrich P., Novák J.P.: Collect.Czech.Chem.Comm. 54,1446(1989).
- [141] Voňka P., Dittrich P., Lovland J.: Fluid Phase Equil. 88,63(1993).
- [142] Voňka P., Novák J.P., Matouš J.: Collect. Czech. Chem. Commun. 54,282(1989).
- [143] Voňka P., Novák J.P., Suška J., Pick J.: Chem.Eng.Comm. 2,51(1975).
- [144] Vosmanský J.: Chem.Listy 78,1019(1984).



- [145] Vosmanský J., Dohnal V.: Fluid Phase Equilib. 33,137(1987).
- [146] Vrevskij M.: Z.physik.Chem. 83,551(1913).
- [147] Wagner W.: Cryogenics 1,470(1973).
- [148] Walas S.M.: Phase Equilibria in Chemical Engineering. Butterworths, London, 1985.
- [149] Wichterle I., Linek J.: Antoine Constants of Pure Compounds. Academia, Praha, 1971.
- [150] Wichterle I.: Rovnováha kapalina-pára za vysokých tlaků. Academia, Praha, 1978.
- [151] Wichterle I., Linek J., Hála E.: Vapor-Liquid Equilibrium Data Bibliography. Elsevier, Amsterdam, 1973. Supplement I, 1976; Supplement II, 1979. Supplement III, 1982. Supplement IV, 1985.
- [152] Wilhoit R.C., Zwolinski B.J.: Handbook of Vapor Pressures and Heats of Vaporization of Hydrocarbons and Related Compounds. Evans Press, Fort Worth, Texas, 1971.
- [153] Wilson G.M., Deal C.H.: Ind.Eng.Chem.Fundam. 1,20(1962).
- [154] Wilson G.M.: J.Amer.Chem.Soc; 86,125(1964).
- [155] Wohl K.: Trans.AIChE 42,215(1946).