

## 11. REFERENCIAS

- [1] S. De las Heras (1996) "Optimización de suspensiones hidroneumáticas con amortiguador integrado" Universitat Politècnica de Catalunya. Phd Thesis.
- [2] P. S. Els & B. Grobbelaar (1993) "Investigation of the time and temperature dependency of hydro-pneumatic suspension systems" SAE Technical paper series 930265.
- [3] P. S. Els, B. Grobbelaar (1999) "Heat transfer effects on hydropneumatic suspension systems" Journal of Terramechanics 36 197-205.
- [4] Giuseppe Quaglia, Massimo Sorli (2000). "Experimental and theoretical analysis of an air spring with auxiliary reservoir". 6th Triennal Int. Symp. on Fluid Control, Measurement and Visualization, FLUCOME 2000, Aug. 13-17,2000, Sherbrooke (Qc), Canada.
- [5] P.S. Meirelles and M. Baldi. (2003). "Damping behaviour in hydropneumatic suspension". Universidade Estadual de Campinas, SIMEA 2003 Brasil.
- [6] C. L. Giliomee, P. S. Els. (1998). "The semi-active hydropneumatic spring and damper system" Journal of Terramechanics, Volume 35, pp. 109-117
- [7] B. B. Hall & J. S. Tang (1990) "Analysis of active and semi-active vehicle suspensions fitted with a pneumatic self-energizing levelling device" Proc. Instn. Mech. Engrs. Vol. 204.
- [8] Robert C.Reid, J. M. Prausnitz, B. E. Poling "The properties of gases & liquids" (4th edition). Mc Graw-Hill, Inc ISBN-0-07-051799-1.
- [9] B. I. Lee, M. G. Kesler (1975) "A Generalized Thermodynamic Correlation Based on Three-Parameter Corresponding States". AIChE Journal Vol. 21, No. 3, pp. 1197-1203.
- [10] D. R. Lide, H. V. Kehiaian (1994) "CRC Handbook of Thermophysical and Thermochemical Data". CRC PRESS ISBN 0-8493-0197-1.
- [11] A. Vasserman, Y.Z. Kazavchinskii, V. A. Rabinovich. (1971) "Thermophysical properties of air and air components". Ed. D. Slutskin UDC546.217
- [12] W. Bober & W. L. Chow (1991) "Nonideal Gas Effects for the Venturi Meter". Transactions of the ASME, Journal of Fluids Engineering Vol. 113.
- [13] ISO6358 (1989) "Pneumatic fluid power-components using compressible fluids – Determination of low-rate characteristics".

- [14] Kagawa T., Wang T., Ishi Y., Terashima Y., Morozumi T., Mogami T. Oneyama N. (2003), "Determination of flow rate characteristics of small pneumatic valves using isothermal chamber by pressure response", 7th Symposium on Fluid Control, measurement and Visualization.
- [15] Oneyama N., Takahashi T., Terashima Y., Kuroshita K. Kagawa T. (2003), "Study and suggestions on flow-rate characteristics of pneumatic components", 7th Symposium on Fluid Control, measurement and Visualization.
- [16] B. E. L. Deckker, Y. F. Chang (1968) "Transient Effects in the Discharge of Compressed Air from a Cylinder Through an Orifice". Transactions of the ASME, Journal of Basic Engineering.
- [17] Pourmovahed, A. and Otis, D. R., "An experimental thermal time constant correlation for Hydraulic accumulators", Transactions of the ASME, Journal of Dynamics Systems. Measurement and control, Vol.112, March 1990, pp. 116-121.
- [18] W. M. Rohsenow, J. P. Hartnett & Y. I. Cho. "Handbook of Heat Transfer". 4th Edition Mc Graw-Hill, Inc ISBN-0-07-053555-8.
- [19] S. R. Hong, S. B. Choi, Y. T. Choi, N. M. Wereley (2004) "A hydro - mechanical model for hysteretic damping force prediction of ER damper: experimental verification" Journal of Sound and Vibration Volume 285, pp. 1180-1188.
- [20] R. C. Johnson (1964) "Calculations of Real-Gas Effects in Flow Through Critical-Flow Nozzles". Transactions of the ASME, Journal of Basic Engineering.
- [21] D. A. Kouremenos & X. K. Kakatsios (1988) "A Correlation of the Isentropic Exponents of Real Gases" Journal of Heat and Fluid Flow, Vol.9, No 4, pp. 410-414.
- [22] D. A. Kouremenos & K. A. Antonopoulos (1991) "Sound Velocity and Isentropic Exponents of Real Air on its Compressibility Chart" Journal of Heat and Fluid Flow, Vol.12, No 2, pp. 137-141.
- [23] A. C. Aldo, B. M. Argrow (1995) "Dense Gas Flow in Minimum Length Nozzles". Transactions of the ASME, Journal of Fluids Engineering Vol. 117, pp. 270-276.
- [24] S. Nakao, M. Takamoto (2000) "Discharge Coefficients of Critical Venturi Nozzles for CO<sub>2</sub> and SF<sub>6</sub>". Transactions of the ASME, Journal of Fluids Engineering Vol. 122, pp. 730-734.
- [25] U. J. Plöcker, H. Knapp (1976) "Save Time in Computing Density". Hydrocarbon processing May pp. 199-201.

- [26] W. C. Edmister (1973) "Applied hydrocarbon thermodynamics - Part 49 – Enthalpies of saturated liquids mixtures via Clapeyron Equation". Hydrocarbon processing May pp. 169-175.
- [27] G. Soave (1971) "Equilibrium constants from a modified Redlich-Kwong equation of state". Chemical Engineering Science, pp. 1197-1203.
- [28] M. J. Moran, H. N. Shapiro (2004) "Fundamentos de Termodinámica Técnica. 2<sup>a</sup> Edición (4<sup>o</sup> edición original) Ed. Reverté, S. A. ISBN 84-291-4313-0.
- [29] R. Carreras, A. Comas, A. Calvo (1993) "Motores de Combustión Interna. Fundamentos". 1<sup>a</sup> Edición Ed. UPC. ISBN 84-7653-354-3.
- [30] R. P. Benedict (1971) "Generalized Contraction Coefficient of an Orifice for Subsonic and Supercritical Flows" Transactions of the ASME, Journal of Basic Engineering.
- [31] K. C. Cornelius, K. Srinivas (2004) "Isentropic Compressible Flow for Non-Ideal Gas Models for a Venturi". Transactions of the ASME, Journal of Fluids Engineering Vol. 126.
- [32] Ower E, and Pankhurst R.C. (1977) "The measurement of air flow" 5th Edition Pergamon Press ISBN 0-08-021282-4.
- [33] Frank P. Incropera, David P. Dewitt "Fundamentals of Heat and Mass Transfer". 4th Edition John Wiley & Sons ISBN-0-471-30460-3.
- [34] Baehr H. D., "Tratado moderno de termodinámica. Teoría y aplicaciones técnicas" 2<sup>a</sup> edición (1979) Editor Montesó. ISBN 84-7186-101-1
- [35] H. Gröber y S. Erk (1967) "Transmisión de Calor" Selecciones científicas D.L. 9725-1967. Madrid
- [36] D. P. De Witt. John. Fundamentals of heat and mass transfer. 3rd Ed. F. P. Wiley & Sons, Inc.(1990) ISBN 0-471-51729-1.
- [37] I. H. Shames. (1995) "La Mecánica de los Fluidos". 3<sup>a</sup> Edición McGraw-Hill ISBN-958-600-246-2.
- [38] V. L. Streeter. (2000) "Mecánica de los Fluidos". 9<sup>a</sup> Edición McGraw-Hill ISBN-958-600-987-4.
- [39] Irwin Millar y John E. Freund (1973) "Probabilidad y estadística para ingenieros" Editorial Reverté Mexicana S.A.
- [40] De Giorgi R., Bideaux E., Sesmat S. Millar (2006) "Dynamical Thermal Model of a Discharging Process of a Pneumatic Chamber" Proc. of 4th FPNI-PhD Symp. Sarasota, pp. 571,583.