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Bibliografia

ABADIE, E. Apostila do Curso Refino de Petróleo – Processo de Refinação. Instituto Brasileiro de Petróleo, 2002.

ALLEN, D. H. Linear programming models for plant operations planning. **British Chemical Engineering**, v. 16, p. 685-691, 1971.

ARTZNER, P.; DELBAEN, P.; EBER, J.; HEATH, D. Coherent measures of risk. **Math Finance**, v. 9, n. 3, p.203-228, 1999.

ASEERI, A.; BAGAJEWICZ, M.J. New measures and procedures to manage financial risk with applications to the planning of gas commercialization in Asia. **Computers & Chemical Engineering**, v. 28, n. 12, p. 2791–2821, 2004.

BARBARO, A.; BAGAJEWICZ, M. J. Managing financial risk in planning under uncertainty. **AIChE Journal**, v. 50, Nº 5, pp. 963-989, 2004.

BIREWAR, D. B.; GROSSMANN, I. E. Simultaneous production planning and scheduling in multiproduct plants. **Industrial & Engineering Chemistry Research**, v. 29, n. 4, p.570-580, 1990.

BIRGE, J. R.; LOUVEAUX, F. Introduction to Stochastic Programming. Springer, New York. 1997.

BITRAN, G. R.; HAX, A. C. On the design of the hierarchical production planning systems. **Decision Sciences**, v. 8, p.28-55, 1977.

CHENG, S.; LIU, Y.; WANG, S. Progress in risk measurement. **AMO – Advanced Modelling and Optimization**, v. 6, n. 1, p. 1– 20, 2004.

CHENG, L.; DURAN, M. A. World-Wide Crude Transportation Logistics: a Decision Support System Based on Simulation and Optimization. Em Proceedings Foundations of Computer-Aided Process Operations, 2003.

DANTZIG, C.B. Linear programming under uncertainty. **Management Science**, v. 1, p. 197–206, 1955.

DEMPSTER, M. A. H.; PEDRON, N. H.; MEDOVA, E. A.; SCOTT, J. E.; SEMBOS, A. Planning logistics operations in the oil industry. **Journal of the Operational Research Society**, v. 51, n. 11, p. 1271–1288, 2000.

DIAS, M. A. G. Investimento Sob Incerteza em Exploração & Produção de Petróleo. Dissertação de Mestrado. Departamento de Engenharia Industrial, PUC-RIO, 1996.

ESCUADERO, L. F.; QUINTANA, F. J.; SALMERON, J. CORO, a modeling and an algorithmic framework for oil supply, transformation, and distribution optimization under uncertainty. **European Journal of Operational Research**, v. 114, n. 3, p. 638–656, 1999.

FELIZARI, L. C. Otimização *fuzzy* Aplicada a Problemas da Produção de Derivados em Refinarias de Petróleo. Dissertação de Mestrado. CPGEI/CEFET-PR, 2004.

GARY, J. H.; HANDWERK, G. E. Petroleum refining: technology and economics. Marcel Dekker, Inc., New York, 4a edição, 2001.

GONÇALVES Jr, C.; PAMPLONA, E.; MONTEVECHI, J. A. Seleção de Carteiras Através do Modelo de Markowitz para Pequenos Investidores (Com o Uso de Planilhas Eletrônicas). IX Simpep, Bauru, SP, 2002.

GÖTHE-LUNDGREN, M.; LUNDGREN, J. T.; PERSSON, J. A. An optimization model for refinery production scheduling. **International Journal of Productions Economics**, v. 78, n. 3, p. 255-270, 2002.

GROSSMANN, I. E.; HEEVER, S. A.; HARJUNKOSKI, I. Discrete optimization methods and their role in the integration of planning and scheduling. Proceedings of Chemical Process Control Conference 6 at Tucson, 2001.

GUPTA, A.; MARANAS, C. D. A hierarchical Lagrangean relaxation procedure for solving midterm planning problems. **Industrial & Engineering Chemistry Research**, v. 38, p. 1937-1947, 1999.

GUPTA, A.; MARANAS, C. D. A two-stage modeling and solution framework for multisite midterm planning under demand uncertainty. **Industrial & Engineering Chemistry Research**, v. 39, n. 8-9, p. 3799-3813, 2000.

GUPTA, A.; MARANAS, C. D. Managing demand uncertainty in supply chain planning. **Computers & Chemical Engineering**, v. 27, p. 1219–1227, 2003.

HAMACHER, S.; RIBAS, G.; OLIVEIRA, F. C. Um modelo para o planejamento estratégico da cadeia de petróleo, Memorando Técnico 01/2008, Departamento de Engenharia Industrial, PUC-Rio, 2008.

HARTMANN, J. C. M. Distinguish between scheduling and planning models. **Hydrocarbon Processing**, v. 77, n. 7, p.93-100, 1998.

HSIEH, S.; CHIANG, C. C. Manufacturing-to-sale planning model for fuel oil production. **International Journal of Advanced Manufacturing Technology**, v. 18, n. 4, p. 303-311, 2001.

IACHAN, R.; HAMACHER, S.; FONSECA, O. O Sistema de Planejamento Operacional do Abastecimento Na Petrobras. In: VIII CLAIO (CONGRESSO LATINO IBERO-AMERICANO DE INVESTIGATION OPERATIVA), Rio de Janeiro. Proceedings of the VIII CLAIO. 1996.

JIA, Z.; IERAPETRITOU, M. G. Mixed-integer linear programming model for gasoline blending and distribution scheduling. **Industrial & Engineering Chemistry Research**, v. 42, n. 4, p. 825-835, 2003.

JIA, Z.; IERAPETRITOU, M. G. Short-term scheduling under uncertainty using MILP sensitivity analysis. **Industrial & Engineering Chemistry Research**, v. 43, n. 14, p. 3782-3791, 2004.

JORION, P. Value at Risk: The New Benchmark for Controlling Market Risk. McGraw-Hill Companies Inc, 1997.

JORION, P. Value at Risk, The New Benchmark for Managing Financial Risk, 2nd ed. McGraw-Hill Companies Inc, 2000.

KALL, P. Stochastic Linear Programming. Berlin: Springer, 1976.

KALLRATH, J. Solving planning and design problems in the process industry using mixed integer and global optimization. **Annals of Operations Research**, v. 140, n. 1, p. 339-373, 2005.

KAZEMI, H.; SCHNEEWEIS, T.; GUPTA, B. Omega as a performance measure. Center for International Securities and Derivatives Markets, University of Massachusetts, Amherst, 2003.

KONNO, H.; YAMAZAKI, H. Mean-absolute deviation portfolio optimization model and its application to Tokyo Stock Market. **Management Science**, v. 37, n. 5, p.519-531, 1991.

KHOR, C. S. A Hybrid of Stochastic Programming Approaches with Economic and Operational Risk Management for Petroleum Refinery Planning under Uncertainty. Waterloo, Ontario, Canada, Tese de Mestrado - University of Waterloo, 2006.

LEE, H.; PINTO, J. M.; GROSSMANN, I. E.; PARK, S. Mixed-Integer Linear Programming Model for Refinery Short-Term Scheduling of Crude Oil Unloading with Inventory Management. **Industrial & Engineering Chemistry Research**, v. 35, n. 5, p. 1630 - 1641, 1996.

LI, W. K.; HUI, C. W.; LI, P.; LI, A. X. Refinery Planning Under Uncertainty. **Industrial & Engineering Chemistry Research**, v. 43, n. 21, p. 6742-6755, 2004.

MANSINI, R.; OGRYCZAK, W.; SPERANZA, M. G. LP Solvable Models for Portfolio Optimization: A Survey and Comparison – Part I, 28th Workshop EURO Working Group on Financial Modeling, Vilnius, Lithuania, May, 2001.

MARKOWITZ, H. M. Portfolio selection. **Journal of Finance**, v. 7, n. 1, p.77-91, 1952.

MARZANO, L. G. B. Otimização de Portfólio de Contratos de Energia em Sistemas Hidrotérmicos com Despacho Centralizado. Tese de Doutorado - Departamento de Engenharia Elétrica, Pontifícia Universidade Católica do Rio de Janeiro, 2004.

MÁS, R.; PINTO, J. M. A mixed-integer optimization strategy for oil supply in distribution complexes. **Optimization and Engineering**, v. 4, n. 1, p. 23-64, 2003.

MICHELETTO, S. R.; CARVALHO, M. C. A.; PINTO, J. M. Operational optimization of the utility system of an oil refinery. **Computers & Chemical Engineering**, v. 32, n. 1-2, p. 170-185, 2008.

MITRA, G.; KYRIAKIS T.; LUCAS C.; PIRBHAI M. A Review of Portfolio Planning: Models and Systems, invited chapter in: *Advances in Portfolio Construction and Implementation*, S E Satchell, A E Scowcroft (Eds.), Butterworth & Heinemann, Oxford, 2003.

MORO, L. F. L.; ZANIN, A. C.; PINTO, J. M. A planning model for refinery diesel production. **Computers & Chemical Engineering**, v. 22, p. S1039-S1042, 1998.

MORO, L.F.L.; PINTO, J.M.; Mixed-integer programming approach for short-term crude oil scheduling. **Industrial & Engineering Chemistry Research**, v. 43, n. 1, p. 85-94, 2004.

NEIRO, S. M. S.; PINTO, J. M. A general modelling framework for the operational planning of petroleum supply chains. **Computers & Chemical Engineering**, v. 28, n. 6-7, p. 871-896, 2004.

NEIRO, S. M. S.; PINTO, J. M. Multiperiod optimization for production planning of petroleum refineries. **Chemical Engineering Communications**, v. 192, n. 1, p. 62-88, 2005.

PALMQUIST, J.; URYASEV, S.; KROKHMAL, P. Portfolio optimization with Conditional Value-at-Risk objective and constraints. Research Report 99-14. ISE Dept., University of Florida, 1999.

PDE, 2007. Plano Decenal de Expansão de Energia 2007-2016 disponível em [HTTP://www.epe.gov.br](http://www.epe.gov.br) (acessado em janeiro de 2008)

PINTO, J. M.; JOLY, M.; MORO, L. F. L. Planning and scheduling models for refinery operations. **Computers & Chemical Engineering**, v. 24, n. 9-10, p. 2259-2276, 2000.

PONGSAKDI, A.; RANGSUNVIGIT, P.; SIEMANOND, K.; BAGAJEWICZ, M. J. Financial risk management in the planning of refinery operations. **International Journal of Production Economics**, v. 103, n. 1, p. 64-86, 2006.

REKLAITIS, G. V. Review of scheduling of process operations. **AIChE Symposium Series**, v. 78, p.119-133, 1982.

ROCKAFELLAR, R. T.; URYASEV, S. Optimization of conditional value-at-risk. **The Journal of Risk**, v. 2, n. 3, p.21-41, 2000.

ROCKAFELLAR, R. T.; URYASEV, S. Conditional value-at-risk for general loss distributions. **Journal of Banking and Finance**, v. 26, p.1443-1471, 2002.

SAHINIDIS, N. V. Optimization under uncertainty: state-of-the-art and opportunities. **Computers and Chemical Engineering**, v. 28, n. 6-7, p.971-983, 2004.

SCHULTZ, R. On structure and stability in stochastic programs with random technology matrix and complete integer recourse. **Mathematical Programming**, v. 70, p. 73–89, 1995.

SHAH, N. Mathematical programming techniques for crude oil scheduling. **Computers & Chemical Engineering**, v. 20, p. S1227–S1232, 1996.

SHADWICK, W.; KEATING, C. A universal performance measure. **Journal of Performance Measurement**, p. 59-84, 2002.

SIMÃO, L. M.; PACHECO, M. A. C.; VELLASCO, M. M. B. R. Otimização da mistura de produtos na indústria de petróleo utilizando algoritmos genéticos. **Anais do VI SBAI**, p. 544-549, Bauru, 2003.

TAVARES, M. E. E. Análise do Refino no Brasil: estado e perspectivas - uma análise “cross-section”. Tese de Doutorado, COPPE/UFRJ, 2005.

VERWEIJ, B.; AHMED, S.; KLEYWEGT, A. J.; NEMHAUSER, G.; SHAPIRO, A. The sample average approximation method applied to stochastic routing problems: A computational study. **Computational and Applied Optimization**, Vol. 24, pp. 289–333, 2001.

VIDAL, C. J.; GOETSCHALCKX, M. Strategic production–distribution models: a critical review with emphasis on global supply chain models. **European Journal of Operational Research**, v. 98, p. 1-18, 1997.

WENKAI, L.; HUI, C. W.; LI, A. Integrating CDU, FCC and product blending models into refinery planning. **Computers and Chemical Engineering**, v. 29, n. 9, p. 2010-2028, 2005.

WENKAI, L.; HUI, C.W.; HUA, B.; TONG, Z. Scheduling crude oil unloading, storage, and processing. **Industrial & Engineering Chemistry Research**, v. 41, p. 6723–6734, 2002.

YOUNG, M. R. A minimax portfolio selection rule with linear programming solution. **Management Science**, v. 44, n. 5, p.673-683, 1998.

ZHANG, N.; ZHU, X. X. A novel modeling and decomposition strategy for overall refinery optimization. **Computers & Chemical Engineering**, v. 24, p. 1543–1548, 2000.