

10 Referências bibliográficas

Alvarado V. Scriven L.E. and Davis H. T. **Stochastic-Perturbation analysis of a one-dimensional dispersion-reaction equation: effects of spatially-varying reaction rates.** Transport in porous media. Vol. 32, pp. 139-161, 1998.

Amir O. and Neuman S. P. **Gaussian closure of transient unsaturated flow in random soils.** Transport in Porous Media. Vol. 54, pp. 55-77, 2004.

Ang, A. H-S and Tang, W. S. **Probability concepts in engineering planning and design. Basic principles.** John Wiley & Sons Ltd. 1975.

Araújo, J. M. and Awruch A. M. **On stochastic finite elements for structural analysis.** Computers & Structures. Vol. 52, 3, pp. 461. 1993.

Arora, Jasbir S. **Introduction to optimum design.** New York: McGraw-Hill, 1989.

Baecher, G. B. and Christian, J. T. **Reliability and statistic in geotechnical enginnering.** John Wiley & Sons Ltd. 2003.

Bastian P. and Rehmig R. **Effcient fully-coupled solution techniques for two-phase Flow in porous media Parallel multigrid solution and large scale computations.** Advances in Water Resources. Vol. 23, pp. 199-216, 1999.

Bathe, K. J. **Finite element procedures in engineering analysis.** New J.: Prentice-Hall, Inc., Englewood Cliffs, 1982.

Brooks A. N., Hughes T.J.R. **Streamline Upwind/Petrov-Galerkin formulations for convection dominated flows with particular emphasis on the**

incompressible Navier-Stokes equations. Computer Methods in Applied Mechanics and Engineering. Vol. 32, pp. 199-259, 1982.

Calvete F.J and Ramirez J. **Geoestadistica aplicaciones a la hidrologia subterrânea.** Centro Internacional de Métodos numéricos em Ingeniería, Barcelona, 1990.

Chen M., Zhang D., Keller A. and Lu, Z. **A stochastic analysis of steady state two-phase flow in heterogeneous media.** Water Resources Research. Vol. 41, 2005.

Chen Z., Huan G. and Li B. **An improved IMPES method for two-phase flow in porous media.** Transport in Porous Media. Vol. 32, pp. 261-276, 2004.

Cook, Robert D., Malkus, David S., and Plesha, Michael E. **Concepts and Applications of Finite Element Analysis.** 3nd ed. New York: John Wiley & Sons, 1989.

Corapcioglu, M. Y. **Land subsidence – a state of art review, fundamentals of transporte phenomena in porous media.** Ed. J. bear and M. Y. Corapcioglu, Nato, A.S.I. Series, E 82, Nijhoff, Dordrecht. pp. 369-444, 1984.

Dagan G. **Statistical theory of groundwater flow and transport pore to laboratory, laboratory to formation and formation to regional.** Water Resources Research. Vol 22, 9, pp. 120-134, 1986.

Dagan, G. **An overview of stochastic modeling of groundwater flow and transport: from theory to applications.** EOS, Transactions, American Geophysical Union. Vol. 83, 2002.

Dagan, G. **Stochastic modeling of groundwater flow by unconditional and conditional probabilities. 2. The solute transport.** Water Resources Research. Vol. 18, 4, pp. 835-848. 1982.

Dai Z., Ritzi R. W., Huang C., Rubin Y. and Dominic D. **Transport in heterogeneous sediments with multimodal conductivity and hierarchical organization across scales.** Journal of Hydrology. Vol. 294, pp. 68-86, 2004.

Detournay, E. and Cheng, H-D. **Poroelastic Response of a borehole in a hydrostatic stress field.** International Journal of Rock Mechanics and Mining Sciences & Geomechanics. Vol. 25, 3, pp. 171-182, 1988.

Detournay, E. and Cheng, H-D. **Fundamentals of poroelasticity.** Comprehensive Rock Eng. Vol. 2, pp. 113-169, 1993.

Dumas, C. F. F. **Quantification of the effect of uncertainties on the reliability of wellbore stability model predictions.** Department of Petroleum Engineering, Tulsa, U.S.A, 1995.

Eboli, Claudia R. **Analise elasto-plastica de lajes via programação matematica** Tese de doutorado, Departamento de Engenharia Civil, PUC-Rio, Brasil, 1994.

Elishakoff I., Ren Y. J. and Shinozuka M. **New formulation of FEM for deterministic and stochastic beans through generalization of Fuchs' approach.** Computer Methods in Applied Mechanics and Engineering. pp. 235-243, 1997.

Ferreira, Francisco H. **Uma implementação numérica para a solução de problemas de poroelasticidade.** Dissertação de mestrado, Departamento de Engenharia Civil, PUC-Rio, Brasil, 1996.

Fontoura S. A. B., Holzberg B. Teixeira, E. C. Frydman. M. **Probabilistic analysis of wellbore stability during drilling.** SPE. 2002.

Foussereau X., Graham D. W. Akpoji G., Destouni G. and Rao P. S. C. **Stochastic analysis of transport in unsaturated heterogeneous soils under transient flow regimes,** Water Resources Research. Vol. 36, 4, pp. 911-921, 2000.

Freeze, R.A. **A stochastic-conceptual analysis of one-dimensional groundwater flow in nonuniform homogeneous media.** Water Resources Research. Vol. 11, pp. 725-741. 1975.

Frias D.G, Murad M, and Pereira F. **A multiscale stochastic poromechanical model of subsidence of a heterogeneous reservoir.** Appl. Comp. Mech. Geoth. Eng. Ouro Preto, pp. 29-44, 2003.

Frias D.G, Murad M, and Pereira F. **Stochastic computational modelling heterogeneous poroelastic media with long-range correlations.** International Journal for Numerical and Analytical Methods in Geomechanics, 2004.

Frias D.G, Murad M, and Pereira F. **Stochastic computational modeling of reservoir compactation due to fluid withdrawal.** Relatórios de pesquisa e desenvolvimento, LNCC, 2001.

Frydman M. **Iniciação e propagação de fraturas em poços de petróleo.** Tese de doutorado, Departamento de Engenharia Civil, PUC-Rio, Brasil, 1996.

Gelhar L.W. **Stochastic subsurface hydrology**, New Jersey: Prentice-Hall, 1993.

Ghanem R. and Spanos P. D. **Stochastic finite elements - A spectral approach.** New York. Springer-Verlag, 2003.

Glasgow H., Fortney M., Lee J., Graettinger A. and Reeves H. **Modflow 2000 head uncertainty, a first-order second moment method.** Ground Water. Vol.41, 3, pp. 342-350, 2003.

Haftka, Raphael T. and Gürdal, Zafer. **Elements of structural optimization.** 3nd ed., Dordrecht: Kluwer, Academic Publishers, 1993.

Hart, Gary C. **Uncertainty analysis, loads, and safety in structural engineering.** New Jersey: Prentice-Hall, 1982.

Hu, B. and Schiehlen W. **On the simulation of stochastic processes by spectral representation.** Prob. Engng. Mech. Vol 12, 2, pp. 105-113, 1997.

Hudson, John A. **Comprehensive rock engineering, analysis and design methods.** Imperial College of Science, Technology & Medicine, London, UK, 1993.

Hughes, T. J. R., Franca, L. P., Mallet, M. **A new finite element formulation for computational fluid dynamics: VI. Convergence analysis of the generalized supg formulation for linear time-dependent multidimensional advective-diffusive systems.** Computer Methods in Applied Mechanics and Engineering. pp. 97-112, 1987.

Hughes, T. J. R., Mallet, M. **A new finite element formulation for computational fluid dynamics: III. The generalized streamline operator for multidimensional advective diffusive systems.** Computer Methods in Applied Mechanics and Engineering. pp. 305-328, 1986.

Hughes, Thomas J.R. **Unconditionally stable algorithms for nonlinear heat conduction.** Computer Methods in Applied Mechanics and Engineering. pp. 135-139, 1977.

Huyakorn, P. S. and Pinder G.F. **Computational methods in subsurface flow.** Academic Press, Inc., N. Y. 1983.

Jain S., Acharya M., Gupta S. and Bhaskarwar A. **Monte Carlo simulation of flow of fluids through porous media.** Computers and Chemical Engineering. Vol. 27, pp. 385-400, 2003.

Jesús A. L-O, Murad M. and Rochinha F. **Computational homogenization of nonlinear hydromechanical coupling in poroplasticity.** Relatórios de pesquisa e desenvolvimento, LNCC, 2004.

Juanes R. **A variational multiscale finite element method for multiphase flow in porous media.** Finite Elements in Analysis and Design. Vol. 41, pp. 763-777, 2005.

Kitanidis, P. K. **Introduction to geostatistics: applications in hydrogeology.** Cambridge University Press, 1997.

Kiureghian, A. and Liu, P. L. **Multivariate distribution models with prescribed marginals and covariances.** Engineering Mechanics. pp. 105–112, 1986

Kleiber, M., Antúnez, H., Hien, T.D. and Kowalczyk, P. **Parameter sensitivity in nonlinear mechanics: theory and finite element computations,** John Wiley & Sons Ltd. 1997.

Lewis, Ronald W. and Bernard A. Schrefler. **The finite element method in the deformation and consolidation of porous media.** John Wiley and Sons, 1987.

Lewis, Ronald W. and Schrefler B. A. **The finite element method in the deformation and consolidation of porous media.** 2nd ed. John Wiley and Sons, 1998.

Lu Z. and Zhang D. **On importance sampling Monte Carlo approach to uncertainty analysis for flow and transport in porous media,** Advances in Water Resources. Vol. 26, pp. 1177-1188, 2003.

Lubliner, J. **Normality rules in large-deformation plasticity,** Mechanics of materials. Vol. 5. pp 29-34, 1986.

Lubliner, J. **On maximum-dissipation principle in generalized plasticity,** Acta Mechanica. 52, pp. 225-237, 1984.

Mandel, J. **Contribution theoreque a l'Etude de ecrouissage et des lois de lécoulement plastique,** Proceedings of the 11th International Congresso in

Applied Mechanics. pp. 502-509, 1964.

Matheron, G. **Elements pour une theorie des milieux poreux**. Masson et Cie. Paris, 1967.

Melchers R. **Structural reliability analysis and prediction**. John Wiley and Sons, 2ed, 1999.

Mendonça A., Coutinho A., Alves J e Landau L. **Simulação numérica de escoamentos bifásicos de fluidos não newtonianos e imiscíveis em meios porosos via método dos elementos finitos**. XXIV Iberian Latin-American Congress on Computational Methods in Engineering. Ouro Preto, Brasil, 2003.

Morita N. **Uncertainty analysis of borehole stability problems**. SPE 30502, Proceedings of the Annual Technical Conference, Dallas, pp. 533-542, 1995.

Moos D., Peska P., Finkbeiner T.and Zoback M. **Comprehensive wellbore stability analysis utilizing Quantitative Risk Assessment**. Journal of Petroleum Science and Engineering. pp. 97-109. 2003.

Müller, A.L. **Otimização de estruturas reticuladas considerando incertezas**. Tese de Mestrado, Departamento de Engenharia Civil, PUC-Rio, Brasil, 2003.

Neuman, S.P. **Stochastic approach to subsurface flow and transport: a view to the future**. In: Dagan, G., Neuman, S.P. (Eds.), Subsurface Flow and Transport: A Stochastic Approach,Cambridge Press, Cambridge, pp. 231-241. 1997.

Nocedal, J. **Updating quasi-newton matrices with limited storage**, Mathematics of Computation. Vol. 35, pp. 773-782, 1980.

Oliveira, L., Demond, A. H.; Abriola, L. M.; Goovaerts, P. **Simulation of solute transport in a heterogeneous vadose zone describing the hydraulic properties using a multistep stochastic approach**. Water Resources Research. Vol. 42,

2006.

Olsson, A, Sandberg, G and Dahlblom, O, **On Latin hypercube sampling for structural reliability analysis**. Structural Safety. pp. 47-68, 2003.

Owen, D. R. J and Hinton, E, **Finite elements in plasticity: theory and practice**, Swansea: Pneridge, 1980.

Pastor, Jorge Aurélio Santa Cruz. **Modelagem de reservatórios utilizando formulação acoplada de elementos finitos**. Tese de doutorado, Departamento de Engenharia Civil, PUC-Rio, Brasil, 2001.

Peter Indelman. **On mathematical models of average flow in heterogeneous formations**. Transport in Porous Media. pp. 209-224, 2002.

Rahman N. Lewis R. **Finite element modelling of multiphase immiscible Flow in deforming porous media for subsurface systems**. Computers and Geotechnics. Vol. 24, pp. 41-63, 1999.

Rehmig R and Huber R. **Comparison of Galerkin-type discretization techniques for two-phase flow in heterogeneous porous media**. Advances in Water Resources. Vol. 21, pp 697-911, 1998.

Rubin Y. **Applied stochastic hydrogeology**. Oxford University Press, University of California, Berkeley, 2003.

Rubin, Y. **Transport of inert solutes by groundwater: recent developments and current issues**. In: Dagan, G., Neuman, S.P. (Eds.), Subsurface Flow and Transport: A Stochastic Approach, Cambridge Press, Cambridge, pp. 115-132. 1997.

Rubin, Y., Sun,A.,Maxwell and R.,Bellin, A. **The concept of blockeffective macrodispersivity and a unified approach for grid-scaleand plume-scale-**

dependent transport. J. Fluid Mech. 395, 161-180. 1999.

Schrefler B. A and Scotta R. **A fully coupled dynamic model for two phase fluid flow in deformable porous media.** Computer Methods in Applied Mechanics and Engineering. pp. 2223-2246, 2001.

Schueller G. I **A State-of-the-Art Report on Computational Stochastic Mechanics.** Probabilistic Engineering Mechanics. Vol. 12, 4, pp. 197-321, 1997.

Schueller G. I. **Computational stochastic mechanics-recent advances,** Computers and Structures. Vol. 79, pp. 2225-2234 2001.

Shinozuka, M. and Deodatis, G. **Simulation of multidimensional Gaussian stochastic fields by spectral representation.** Appl. Mech. Rev. Vol 49, 1, pp. 29-53, 1996.

Shvidler, M. I. **Flow in heterogeneous media.** Izv. Akad. Nauk USSR Mekh. Zhidk. Gaza, 3, 185, 1962.

Silvestre, José R. **Análise numérica de poços de petróleo com relevância a produção de areia.** Tese de Mestrado, Departamento de Engenharia Civil, PUC-Rio, Brasil, 2004.

Simo J.C and Hughes T.J.R. **Computational Inelasticity.** Springer - Verlag, New York, 1997.

Tartakovsky D., Guadagnini A. and Riva M. **Stochastic averaging of nonlinear flows in heterogeneous porous media.** J. Fluid Mech. Vol. 492, pp. 47-62 2003.

Townley, Lloyd R. **Second order effects of uncertain transmissivities on predictions of piezometric heads.** V Conf. Finite Element in Water Resources, Vermont. pp 251-264, 1984.

Turska, E. and Schrefler B. A. **On convergence conditions of partitioned solution procedures for consolidation problems.** Computer Methods in Applied Mechanics and Engineering. pp. 51-63, 1992.

Vanderplaats, G. N. **Numerical Optimization Techniques for Engineering Desing: with Applications.** McGraw Hill, 1984.

Wu J., Hu B., Zhang D. and Shirley C. **A three-dimensional numerical method of moments for groundwater flow and solute transport in a nonstationary conductivity field.** Advances in Water Resources. pp. 1149-1169, 2003.

Zambaldi, M.C. and Mendonça, M. **An efficient approach to restart quasi-newton methods,** Proceedings of the XXVI Iberian Latin-American Congress on Computational Methods in Engineering. Guarapari, 2005.

Zhang D. and Lu Z. **An efficient, high-order perturbation approach for flow in random porous media via Karhunen–Loeve and polynomial expansions.** Journal of Computational Physics. 194, pp. 773-794, 2004.

Zhang D. **Stochastic methods for flow in porous media: coping with uncertainties.** Academic Press. 2002.