

Reservoir Engineering Techniques Using Fortran

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Reservoir Engineering Techniques Using Fortran

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Reservoir Engineering Techniques Using FORTRAN, Mihir K. Sinha, Larry R. Padgett (Intl Human, ISBN 0884061000, 1/85) Riskm a FORTRAN Computer Program, Brian Schott (Georgia State University Business Press, ISBN 0387965041, 6/75) Robust Regression and Outlier Detection, P. J. Rousseeuw and A. M. Leroy (John Wiley & Sons, ISBN 0471852333, 10/87)

Books - Fortran Lib

The course is designed to cover the applications of FORTRAN programming language in selected mathematical and petroleum engineering topics which include computer applications of numerical techniques to the solutions of Ordinary Differential Equations, O.D.E and Partial Differential Equations, P.D.E in petroleum engineering including selected problems dealing with drilling, production and reservoir engineering (Fluid flow, PVT behaviour e.t.c.).

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• Builds a 3D numerical model representing the reservoir and runs time-dependent fluid flow simulations • Tries to calibrate that model, i.e., match the simulated results with the real data • Using the calibrated model, tries to predict the future performances of the field What We Do –Complications 1 - 10 Km 50 - 60 Km 20 - 100 GB

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Summary of PET522-Computer Applications in Petroleum ...

"The Electrical Resistivity Log as an Aid in Determining Some Reservoir Characteristics," Trans., AIME (1942) 146, 54. Google Scholar Asquith, George B.: Log Analysis by Microcomputer , The Petroleum Publishing Company, Tulsa (1980).

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ANALYSIS TECHNIQUES. ... In our analysis of the in situ stress tests for the Davis interval, a reservoir engineering approach was used to analyze the falloff pressures. After fluid injection into ...

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