

1. Record Nr.	UNINA9910782316603321
Autore	Koederitz Leonard
Titolo	Lecture notes on applied reservoir simulation [[electronic resource] /] / Leonard F. Koederitz
Pubbl/distr/stampa	Hackensack, NJ, : World Scientific Pub., c2005
ISBN	1-281-92801-1 9786611928018 981-277-527-7
Descrizione fisica	1 online resource (214 p.)
Disciplina	622/.3382/0113
Soggetti	Oil fields - Computer simulation Petroleum - Geology - Mathematical models
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 160) and index.
Nota di contenuto	Preface; CONTENTS; Chapter 1 Introduction; 1.1 Types of Models; 1.2 Data Requirements; Chapter 2 Theoretical Development; 2.1 Flow Equations; 2.2 Types of Simulators; 2.3 Solution Techniques; Chapter 3 PVT Data; Chapter 4 Relative Permeability and Capillary Pressure Data; Chapter 5 Transmissibilities; Chapter 6 Gridding Considerations; Chapter 7 Well Packages; Chapter 8 Field Studies; Chapter 9 Other Types of Models; 9.1 Radial Simulators; 9.2 Dual Porosity Simulators; Chapter 10 Odds and Ends; 10.1 Advantages of Reservoir Simulation; 10.2 Disadvantages of Reservoir Simulation; References Simulation and Reservoir Property Books Appendix A; Fluid and Formation Correlations; Solutions to Problems; Index
Sommario/riassunto	Reservoir simulation, or modeling, is one of the most powerful techniques currently available to the reservoir engineer. The author, Prof Leonard F Koederitz, (Distinguished Teaching Professor Emeritus at the University of Missouri-Rolla) is a highly notable author and teacher, with many teaching awards. This book has been developed over his twenty years in teaching to undergraduate petroleum engineering students, with the knowledge that they would in all likelihood be model-users, not developers. Most other books on reservoir simulation deal with simulation theory and development. For

this boo

---