

1. Record Nr.	UNINA9911006499603321
Autore	Chen Zhangxin <1962->
Titolo	Reservoir simulation : mathematical techniques in oil recovery / / Zhangxin Chen
Pubbl/distr/stampa	Philadelphia, Pa., : Society for Industrial and Applied Mathematics (SIAM, 3600 Market Street, Floor 6, Philadelphia, PA 19104), 2007
ISBN	0-89871-707-8 1-61583-156-8
Descrizione fisica	1 electronic text (xxviii, 219 p.) : ill. (some col.), digital file
Collana	CBMS-NSF regional conference series in applied mathematics ; ; 77
Disciplina	622/.3382015118
Soggetti	Oil reservoir engineering - Mathematical models Oil reservoir engineering - Simulation methods Porous materials - Permeability - Mathematical models Transport theory - Mathematical models
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen.
Nota di bibliografia	Includes bibliographical references (p. 205-213) and index.
Nota di contenuto	1. Introduction -- 2. A glossary of petroleum terms -- 3. Single-phase flow and numerical solution -- 4. Well modeling -- 5. Two-phase flow and numerical solution -- 6. The black oil model and numerical solution -- 7. Transport of multicomponents in a fluid and numerical solution -- 8. Compositional flow and numerical solution -- 9. Nonisothermal flow and numerical solution -- 10. Practical topics in reservoir simulation -- Bibliography -- Index.