1. Record Nr. UNISA996466507303316

Autore	Espedal M.S
Titolo	Filtration in Porous Media and Industrial Application [[electronic resource]] : Lectures given at the 4th Session of the Centro Internazionale Matematico Estivo (C.I.M.E.) held in Cetraro, Italy, August 24-29, 1998 / / by M.S. Espedal, A. Fasano, A. Mikelic ; edited by A. Fasano
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2000
ISBN	3-540-44656-7
Edizione	[1st ed. 2000.]
Descrizione fisica	1 online resource (X, 226 p.)
Collana	C.I.M.E. Foundation Subseries ; ; 1734
Disciplina	620.1064
Soggetti	Condensed matter Partial differential equations Thermodynamics Mechanics Applied mathematics Engineering mathematics Condensed Matter Physics Partial Differential Equations Classical Mechanics Applications of Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Some general facts about filtration through porous media -- Numerical solution of reservoir flow models based on large time step operator splitting algorithms -- Filtration problems in various industrial processes -- Homogenization theory and applications to filtration through porous media.
Sommario/riassunto	This book is devoted to the presentation of some flow problems in porous media having relevant industrial applications. The main topics covered are: the manufacturing of composite materials, the espresso coffee brewing process, the filtration of liquids through diapers, various questions about flow problems in oil reservoirs and the theory

	of homogenization. The aim is to show that filtration problems arising in very practical industrial context exhibit interesting and highly nontrivial mathematical aspects. Thus the style of the book is mathematically rigorous, but specifically oriented towards applications, so that it is intended for both applied mathematicians and researchers in various areas of technological interest. The reader is required to have a good knowledge of the classical theory of PDE and basic functional analysis.

2.

Record Nr.	UNINA9910717283603321
Autore	Windorski Daniel F.
Titolo	Feasibility of fiberglass-reinforced bolted wood connections / / Daniel F. Windorski, Lawrence A. Soltis, Robert J. Ross
Pubbl/distr/stampa	Madison, WI : , : United States Department of Agriculture, Forest Service, Forest Products Laboratory, , 1997
Descrizione fisica	1 online resource (10 pages) : illustrations
Collana	Research paper FPL ; ; RP-562
Soggetti	Bolted joints - Testing Timber joints - Testing Glass fibers Strains and stresses Bolted joints Timber joints
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"April 1997"--Page 2 of cover.
Nota di bibliografia	Includes bibliographical references (pages 7-8).