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Autore	Conforto, Fabio
Titolo	Introduzione alla topologia / Fabio Conforto, Mario Benedicty
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Altri autori (Persone)	Benedicty, Mario
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2. Record Nr.	UNINA9910817970503321
Titolo	Fluid flow and transport in porous media : mathematical and numerical treatment : proceedings of an AMS-IMS-SIAM Joint Summer Research Conference on Fluid Flow and Transport in Porous Media, Mathematical and Numerical Treatment, June 17-21, 2001, Mount Holyoke College, South Hadley, Massachusetts / / Zhangxin Chen, Richard E. Ewing, editors
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	<p>""Contents""; ""Preface""; ""A new approach to upscaling for two-phase flow in heterogeneous porous media""; ""Modeling fractures as interfaces for flow and transport in porous media""; ""A family of higher-order Eulerian-Lagrangian localized adjoint methods for advection-diffusion equations""; ""Algorithmic aspects of a locally conservative Eulerian-Lagrangian method for transport-dominated diffusive systems""; ""A streamline front tracking method for two- and three-phase flow including capillary forces""</p> <p>""Adaptive and formfree identification of nonlinearities in fluid flow from column experiments""""Overall behaviour of fractured porous media versus fractures' size and permeability ratio""; ""Hysteresis and upscaling in two-phase flow through porous media""; ""Simulation of biobarrier-protozoa interaction in porous media""; ""Mixed discontinuous FE methods and their applications to two-phase flow in porous media""; ""Two-phase immiscible flow with the viscous drag in naturally fractured reservoirs""</p> <p>""Mixed finite element methods for multiphase flow in petroleum reservoirs with multiple wells""""An acceleration procedure for the spectral element ocean model formulation of the shallow water equations""; ""Relations between phase mobilities and capillary pressures for two-phase flows in fractured media""; ""Parameter estimates for high-level nuclear transport in fractured porous media""; ""Overlapping grids for welltest analysis""; ""Upscaling of biological processes and multiphase flow in porous media""</p> <p>""A numerical simulation of multicomponent gas flow in porous media by projection methods""""Recent developments on modeling and analysis of flow of miscible fluids in porous media""; ""A simple model for scale up error""; ""Conservative front tracking in one space dimension""; ""BEM with collocation for the heat equation with Neumann and mixed boundary values""; ""Applications of the control volume function approximation method to reservoir simulations""; ""Analysis of 1-D moment equations for immiscible flow""; ""Locally optimal pumping and treatment rates in uncertain environments""</p> <p>""A general multigrid framework for a class of perturbed problems""""Modeling horizontal wells using hybrid grids in reservoir simulations""; ""A multiblock mixed finite element method for 2D and 3D elliptic problems on mixed unstructured grids and its parallelization""; ""Network flow model studies and 3D pore structure""; ""Pore scale network modelling of gas slippage in tight porous media""; ""The calculation of relative permeability by history matching and Beth network model""; ""Comparison between pore-level and porous medium models for natural convection in a non-homogeneous enclosure""</p> <p>""New models for predicting temperature-dependent viscous effects on flow through porous media""</p>