1. Record Nr. UNINA9910699108803321

Autore	Holtschlag David J
Titolo	An initial investigation of multidimensional flow and transverse mixing characteristics of the Ohio River near Cincinnati, Ohio [[electronic resource] /] / by David J. Holtschlag ; prepared in cooperation with the Greater Cincinnati Water Works and the American Water Works Association Research Foundation
Pubbl/distr/stampa	Reston, Va. : , : U.S. Geological Survey, , 2009
Descrizione fisica	1 online resource (viii, 56 pages) : illustrations, maps
Collana	Scientific investigations report ; ; 2009-5107
Soggetti	Streamflow - Ohio River - Simulation methods Water quality - Ohio River - Simulation methods Hydrodynamics - Simulation methods
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from PDF title screen (viewed Sept. 15, 2009).
Nota di bibliografia	Includes bibliographical references (pages 49-50).

2. Record Nr. UNINA9910828843903321

Titolo	Current trends in scientific computing : ICM 2002 Beijing Satellite Conference on Scientific Computing, August 15-18, 2002, Xi'an Jiaotang University, Xi'an, China / / Zhangxin Chen, Roland Glowinski, Kaitai Li, editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [2003] ©2003
ISBN	0-8218-7919-7
Descrizione fisica	1 online resource (386 p.)
Collana	Contemporary mathematics, ; 329 , 0271-4132
Disciplina	502/.85
Soggetti	Science - Data processing Numerical analysis - Data processing
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.
Nota di contenuto	Contents -- Preface -- A scheme for compressible two-phase flows and interface problems -- Multi-level fast multipole Galerkin method for the boundary integral solution of the exterior Helmholtz equation -- An overview of subgrid upscaling for elliptic problems in mixed form -- Mixed finite elements for elasticity in the stress-displacement formulation -- New variants of defect correction for boundary value problems in ordinary differential equations -- Scientific computing in energy and environment -- Approximate analysis of extended Williamson fluids for Powell-Sabin-Heindl elements -- Frequency domain method for the scalar wave equation with second order absorbing boundary condition -- Scalable FETI with optimal dual penalty for semicoercive variational inequalities -- Algebraic multigrid and Schur complement strategies within a multilayer spectral element ocean model -- Diverse vortex dynamics in superfluids -- Adaptive wavelet methods for advection-reaction equations -- Approximation of an MHD problem using Lagrange finite elements -- Best approximation for the p-version of the finite element method in three dimensions in the framework of the Jacobi-weighted Besov spaces -- Non-isotropic Jacobi spectral method -- Improved method for solving the heat equation with BEM and collocation -- Modelling of transport

with non-equilibrium effects in dual-porosity media -- Error estimate for a two-level scheme of Newton type for the Navier-Stokes equation -- Mathematical modeling and numerical algorithms for poroelastic problems -- Fast Poisson solver in a three-dimensional ellipsoid -- Modeling horizontal wells with the CVFA method in black oil reservoir simulations -- Radial basis function based meshless method for groundwater modeling -- Upwinding finite covolume methods for unsteady convection-diffusion problems -- Parallel computing in the black oil model -- Finite element model of piezoelectric resonator -- Discontinuous finite element methods for acoustic and elastic wave problems -- Heuristics for developing variations on future air traffic schedule characteristics for air traffic simulation -- FEM/FVM modelling of processes in a combustion engine -- A finite control volume method for the reduction of an iron ore-coal composite pellet in an axisymmetric temperature field -- The fast multipole method for arbitrary Green's functions -- A mathematical model for ESP simulation -- Mixed-hybrid discrete fracture network model -- A new numerical algorithm for treatment of convective terms and its applications to PDEs -- Direct numerical simulation of turbulent channel flow with bubbles -- RKDG finite element schemes combined with a gas-kinetic method for one-dimensional compressible Euler equations.