

1. Record Nr.	UNINA9910158735903321
Titolo	Splitting Methods in Communication, Imaging, Science, and Engineering // edited by Roland Glowinski, Stanley J. Osher, Wotao Yin
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (822 pages)
Collana	Scientific Computation, , 1434-8322
Disciplina	515.724
Soggetti	Computer mathematics Optical data processing Physics Mathematical optimization Computational Mathematics and Numerical Analysis Image Processing and Computer Vision Numerical and Computational Physics, Simulation Optimization
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction -- Some Facts about Operator-Splitting and Alternating Direction Methods -- Operator Splitting -- Convergence Rate Analysis of Several Splitting Schemes -- Self Equivalence of the Alternating Direction Method of Multipliers -- Application of the Strictly Contractive Peaceman-Rachford Splitting Method to Multi-block Separable Convex Programming -- Nonconvex Sparse Regularization and Splitting Algorithms -- ADMM and Non-convex Variational Problems -- Operator Splitting Methods in Compressive Sensing and Sparse Approximation -- First Order Algorithms in Variational Image Processing -- A Parameter Free ADI-like Method for the Numerical Solution of Large Scale Lyapunov Equations -- Splitting Enables Overcoming the Curse of Dimensionality -- ADMM Algorithmic Regularization Paths for Sparse Statistical Machine Learning -- Decentralized Learning for Wireless Communications and Networking

-- Splitting Methods for SPDEs: From Robustness to Financial Engineering, Optimal Control and Nonlinear Filtering -- Application of Operator Splitting Methods in Finance -- A Numerical Method to Solve Multi-marginal Optimal Transport Problems with Coulomb Cost -- Robust Split-step Fourier Methods for Simulating the Propagation of Ultra-short Pulses in Single- and Two-mode Optical Communication Fibers -- Operator Splitting Methods with Error Estimator and Adaptive Time-stepping: Application to the Simulation of Combustion Phenomena -- Operator Splitting Algorithms for Free Surface Flows: Application to Extrusion Processes -- An Operator Splitting Approach to the Solution of Fluid-structure Interaction Problems with Hemodynamics -- On Circular cluster Formation in a Rotating Suspension of Non-Brownian Settling Particles in a Fully Filled Circular Cylinder: An Operator Splitting Approach to the Numerical Simulation.

Sommario/riassunto

This book is about computational methods based on operator splitting. It consists of twenty-three chapters written by recognized splitting method contributors and practitioners, and covers a vast spectrum of topics and application areas, including computational mechanics, computational physics, image processing, wireless communication, nonlinear optics, and finance. Therefore, the book presents very versatile aspects of splitting methods and their applications, motivating the cross-fertilization of ideas. .

2. Record Nr.	UNINA9910817837903321
Autore	Seifert Kathryn
Titolo	Youth violence : theory, prevention, and interventions // by Kathryn Seifert ; with chapters Karen Ray, Robert Schmidt
Pubbl/distr/stampa	New York, : Springer Pub., 2011
ISBN	1-283-31694-3 9786613316943 0-8261-0741-9
Edizione	[1st ed.]
Descrizione fisica	1 online resource (257 p.)
Altri autori (Persone)	RayKaren, Dr. SchmidtRobert
Disciplina	362.760973
Soggetti	Violence in children - United States Children and violence - United States
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 and index.
Nota di contenuto	Youth violence : prevalence and trends -- Demographic factors in youth violence -- Types of youth violence -- Theoretical perspectives on youth violence -- Individual factors that impact youth violence -- Environmental factors that impact youth violence -- Bullying and harassment -- Youth suicide -- Violence risk assessments for children and adolescents -- Youth violence prevention programs -- Interventions -- Youth violence : policy implications.
Sommario/riassunto	In the U.S., youth violence is the second leading cause of death for young people between the ages of 10 and 24. This volume, authored by a noted psychotherapist with more than 30 years of experience in family violence, examines recent violent episodes perpetrated by young offenders in order to understand their root causes and to disseminate current prevention and treatment methods through a multidisciplinary lens. The book addresses the theoretical underpinnings of youth violence from the perspectives of psychology and neurobiology, describes different types of violence, includes the latest r