1. Record Nr. UNINA9910785807703321

Autore	Grigorev IU. N (IUrii Nikolaevich)
Titolo	Numerical "particle-in-cell" methods [[electronic resource]] : theory and applications / / Yu. N. Grigoryev, V.A. Vshivkov and M.P. Fedoruk
Pubbl/distr/stampa	Utrecht ; ; Boston, : VSP, 2002
ISBN	3-11-091670-3
Edizione	[Reprint 2012]
Descrizione fisica	1 online resource (260 p.)
Classificazione	SK 955
Altri autori (Persone)	VshivkovV. A (Vitalii Andreevich) FedorukM. P (Mikhail Petrovich)
Disciplina	532.05
Soggetti	Lagrange equations - Numerical solutions Fluid dynamics - Mathematical models
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 (p. [241]-249).
Nota di contenuto	Frontmatter -- Preface -- Contents -- Introduction. Computational particle methods -- Chapter 1. Particle-in-cell methods -- Chapter 2. Particle-in-cell methods on unstructured meshes -- Chapter 3. The particle methods in gas dynamics -- Chapter 4. Vortex-in-cell methods -- Chapter 5. Particle-in-cell methods in collisionless plasma dynamics -- Chapter 6. Statistical particle-in-cell methods -- Supplements -- Bibliography

2. Record Nr. UNINA9910346662203321

Autore	Margani Giuseppe
Titolo	Energy and Seismic Renovation Strategies for Sustainable Cities / Giuseppe Margani
Pubbl/distr/stampa	MDPI - Multidisciplinary Digital Publishing Institute, 2019 Basel, Switzerland : , : MDPI, , 2019
ISBN	9783038979456 3038979457
Descrizione fisica	1 electronic resource (250 p.)
Soggetti	Architecture
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Sommario/riassunto	The principle of sustainability should be strictly connected with safety, since both aim to conserve resources: in the case of sustainability, the resources are typically thought of as environmental, while in the case of safety, the resources are basically human. In spite of this common ground, discussions on sustainability usually give insufficient attention to safety. In the last years the EU has made large investments to increase the energy efficiency of the existing building stock, paving the way for a low-carbon future; however, less effort has been made to enhance its seismic resilience. Therefore, the safety and, consequently, the sustainability of towns situated in earthquake-prone countries remain inadequate. In such countries, energy renovation actions should be combined with seismic retrofitting. However, a number of barriers considerably limit the real possibility of extensively undertaking combined retrofit actions, especially for multi-owner housing and high-rise buildings. These barriers are of different kinds: technical (e. g., unfeasibility and/or ineffectiveness of conventional retrofit solutions), financial (e.g., high renovation costs, insufficient incentives/subsidies), organizational (e.g., occupants' disruption and relocation, renovation consensus by condominium ownerships), and cultural/social (insufficient information and skills, lack of adequate

policy measures for promoting renovation actions). This book aims to overcome these barriers and to bridge the gap between sustainability and safety, so to conserve both human and environmental resources.