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| Titolo                  | Continuum Mechanics, Applied Mathematics and Scientific Computing: Godunov's Legacy : A Liber Amicorum to Professor Godunov / / edited by Gennadii V. Demidenko, Evgeniy Romenski, Eleuterio Toro, Michael Dumbser   |
| Pubbl/distr/stampa      | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020  |
| ISBN                    | 3-030-38870-0  |
| Edizione                | [1st ed. 2020.]  |
| Descrizione fisica      | 1 online resource (XIII, 398 p. 39 illus., 25 illus. in color.)  |
| Disciplina              | 531  |
| Soggetti                | Mathematical physics<br>Differential equations<br>Mechanics, Applied<br>Solids<br>Materials - Analysis<br>Mathematical Methods in Physics<br>Differential Equations<br>Solid Mechanics<br>Characterization and Analytical Technique  |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Nota di contenuto       | 1. Determination of Discontinuity Surfaces of Transport Equation Coefficients -- 2. Nonlocal Problems of Asymptotic Methods of Perturbation Theory -- 3. Numerical Solution of the Axisymmetric Dirichlet{Neumann Problem for Laplace's Equation -- 4. Contributions to the Mathematical Technology Transfer with Finite Volume Methods -- 5. An Easy Control of the Artificial Numerical Viscosity to Get Discrete Entropy Inequalities when Approximating Hyperbolic Systems of Conservation Laws. |
| Sommario/riassunto      | This book is a liber amicorum to Professor Sergei Konstantinovich Godunov and gathers contributions by renowned scientists in honor of his 90th birthday. The contributions address those fields that Professor Godunov is most famous for: differential and difference equations,   |

partial differential equations, equations of mathematical physics, mathematical modeling, difference schemes, advanced computational methods for hyperbolic equations, computational methods for linear algebra, and mathematical problems in continuum mechanics. .

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