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|----|-------------------------|---------------------------------------------------------------|
| 1. | Record Nr.              | UNINA990001453930403321                                       |
|    | Autore                  | Gola, Giuseppe <1877-1956>                                    |
|    | Titolo                  | Trattato di botanica / G. Gola, G. Negri, C. Cappelletti      |
|    | Pubbl/distr/stampa      | Torino : UTET, 1951                                           |
|    | Edizione                | [3. ed.]                                                      |
|    | Descrizione fisica      | xxxi, 1199 p. : ill. ; 26 cm                                  |
|    | Altri autori (Persone)  | Negri, Giovanni <1877-1960><br>Cappelletti, Carlo <1900-1990> |
|    | Locazione               | DBV                                                           |
|    | Collocazione            | 11 III 7                                                      |
|    | Lingua di pubblicazione | Italiano                                                      |
|    | Formato                 | Materiale a stampa                                            |
|    | Livello bibliografico   | Monografia                                                    |
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| 2. | Record Nr.              | UNINA9910254130703321                                                                                                                                                                                |
|    | Autore                  | Hutter Kolumban                                                                                                                                                                                      |
|    | Titolo                  | Fluid and Thermodynamics : Volume 1: Basic Fluid Mechanics // by Kolumban Hutter, Yongqi Wang                                                                                                        |
|    | Pubbl/distr/stampa      | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016                                                                                                                        |
|    | ISBN                    | 3-319-33633-9                                                                                                                                                                                        |
|    | Edizione                | [1st ed. 2016.]                                                                                                                                                                                      |
|    | Descrizione fisica      | 1 online resource (XIX, 639 p. 340 illus., 109 illus. in color.)                                                                                                                                     |
|    | Collana                 | Advances in Geophysical and Environmental Mechanics and Mathematics, , 1866-8348                                                                                                                     |
|    | Disciplina              | 620.106                                                                                                                                                                                              |
|    | Soggetti                | Geophysics<br>Mathematical physics<br>Fluid mechanics<br>Fluids<br>Geophysics/Geodesy<br>Mathematical Applications in the Physical Sciences<br>Engineering Fluid Dynamics<br>Fluid- and Aerodynamics |
|    | Lingua di pubblicazione | Inglese                                                                                                                                                                                              |

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| 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 -- Hydrostatics -- Hydrodynamics of Ideal Liquids -- Conservation of Angular Momentum – Vorticity -- An Almanac of Simple Flow Problems of Ideal Fluids -- Function-Theoretical Methods Applied to Plane Potential Flows -- Viscous Fluids -- Simple Two- and Three-Dimensional Flow Problems of the Navier-Stokes Equations -- Simple Solutions of Boundary Layer Equations -- Pipe Flows.                                                                                                                                                                                                                                                                                                                                                                             |
| Sommario/riassunto    | This first volume discusses fluid mechanical concepts and their applications to ideal and viscous processes. It describes the fundamental hydrostatics and hydrodynamics, and includes an almanac of flow problems for ideal fluids. The book presents numerous exact solutions of flows in simple configurations, each of which is constructed and graphically supported. It addresses ideal, potential, Newtonian and non-Newtonian fluids. Simple, yet precise solutions to special flows are also constructed, namely Blasius boundary layer flows, matched asymptotics of the Navier-Stokes equations, global laws of steady and unsteady boundary layer flows and laminar and turbulent pipe flows. Moreover, the well-established logarithmic velocity profile is criticised. |