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| 1. Record Nr.           | UNINA9910151932503321  |
| Autore                  | Ringstrom Hans   |
| Titolo                  | The Cauchy Problem in General Relativity [[electronic resource] /] / Hans Ringstrom  |
| Pubbl/distr/stampa      | Zuerich, Switzerland, : European Mathematical Society Publishing House, 2009   |
| ISBN                    | 3-03719-553-3  |
| Descrizione fisica      | 1 online resource (307 pages)  |
| Collana                 | ESI Lectures in Mathematics and Physics (ESI)  |
| Classificazione         | 83-xx  |
| Soggetti                | Differential equations<br>Relativity and gravitational theory  |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Sommario/riassunto      | <p>The general theory of relativity is a theory of manifolds equipped with Lorentz metrics and fields which describe the matter content. Einstein's equations equate the Einstein tensor (a curvature quantity associated with the Lorentz metric) with the stress energy tensor (an object constructed using the matter fields). In addition, there are equations describing the evolution of the matter. Using symmetry as a guiding principle, one is naturally led to the Schwarzschild and Friedmann-Lemaître-Robertson-Walker solutions, modelling an isolated system and the entire universe respectively. In a different approach, formulating Einstein's equations as an initial value problem allows a closer study of their solutions. This book first provides a definition of the concept of initial data and a proof of the correspondence between initial data and development. It turns out that some initial data allow non-isometric maximal developments, complicating the uniqueness issue. The second half of the book is concerned with this and related problems, such as strong cosmic censorship. The book presents complete proofs of several classical results that play a central role in mathematical relativity but are not easily accessible to those wishing to enter the subject. Prerequisites are a good knowledge of basic measure and integration theory as well as the fundamentals of Lorentz geometry. The necessary background from the theory of partial</p> |

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| 2. Record Nr.           | UNISA996204831303316  |
| Titolo                  | Learning and instruction [[e-journal]]  |
| Pubbl/distr/stampa      | Oxford ; ; New York, : Elsevier Science, 1991-  |
| ISSN                    | 1873-3263   |
| Soggetti                | Learning<br>Teaching<br>Periodicals.  |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Periodico   |
| Note generali           | Title from contents screen (ScienceDirect, viewed Mar. 9, 2007).<br>Some issues also have distinctive titles.<br>Refereed/Peer-reviewed   |
| Sommario/riassunto      | "Learning and Instruction is an international, multi-disciplinary journal that provides a platform for the publication of the most advanced high-quality research in the areas of learning, development, instruction and teaching." |