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| 1. Record Nr.           | UNINA9910464959503321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Autore                  | Lindesay James                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Titolo                  | Foundations of quantum gravity / / James Lindesay, Computational Physics Laboratory, Howard University [[electronic resource]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Pubbl/distr/stampa      | Cambridge : , : Cambridge University Press, , 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ISBN                    | 1-107-23444-1<br>1-107-33640-6<br>0-511-91990-5<br>1-107-33557-4<br>1-107-33237-0<br>1-107-33474-8<br>1-107-33308-3<br>1-107-00840-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Descrizione fisica      | 1 online resource (416 pages) : digital, PDF file(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Disciplina              | 531/.41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Soggetti                | Quantum gravity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Note generali           | Title from publisher's bibliographic system (viewed on 05 Oct 2015).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Nota di bibliografia    | Includes bibliographical references and index.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Nota di contenuto       | Part I. Galilean and Special Relativity: 1. Classical special relativity; 2. Quantum mechanics, classical, and special relativity; 3. Microscopic formulations of particle interactions; 4. Group theory in quantum mechanics -- Part II. General Relativity: 5. Fundamentals of general relativity; 6. Quantum mechanics in curved space-time backgrounds; 7. The physics of horizons and trapping regions; 8. Cosmology; 9. Gravitation of interacting systems.                                                                                                                                                                            |
| Sommario/riassunto      | Exploring how the subtleties of quantum coherence can be consistently incorporated into Einstein's theory of gravitation, this book is ideal for researchers interested in the foundations of relativity and quantum physics. The book examines those properties of coherent gravitating systems that are most closely connected to experimental observations. Examples of consistent co-gravitating quantum systems whose overall effects upon the geometry are independent of the coherence state of each constituent are provided, and the properties of the trapping regions of non-singular black objects, black holes and a dynamic de |

Sitter cosmology are discussed analytically, numerically and diagrammatically. The extensive use of diagrams to summarise the results of the mathematics enables readers to bypass the need for a detailed understanding of the steps involved. Assuming some knowledge of quantum physics and relativity, the book provides text boxes featuring supplementary information for readers particularly interested in the philosophy and foundations of the physics.

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| 2. Record Nr.           | UNICAMPANIAVAN00132264                                                           |
| Autore                  | Peskin, Micahel E.                                                               |
| Titolo                  | An introduction to quantum field theory / Michael E. Peskin, Daniel V. Schroeder |
| Pubbl/distr/stampa      | Boca Raton, : CRC, 1995                                                          |
| Titolo uniforme         | An introduction to quantum field theory                                          |
| ISBN                    | 978-03-673-2056-0                                                                |
| Descrizione fisica      | xxii, 842 p. : ill. ; 24 cm                                                      |
| Altri autori (Persone)  | Schroeder, Daniel V.                                                             |
| Soggetti                | 81Txx - Quantum field theory; related classical field theories [MSC 2020]        |
| Lingua di pubblicazione | Inglese                                                                          |
| Formato                 | Materiale a stampa                                                               |
| Livello bibliografico   | Monografia                                                                       |