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| Titolo | Infinite dimensional groups and manifolds [[electronic resource] /] / editor Tilmann Wurzbacher |
| Pubbl/distr/stampa | Berlin ; ; New York, : Walter de Gruyter, c2004 |
| ISBN | 1-283-39668-8 9786613396686 3-11-916250-7 3-11-020001-5 |
| Descrizione fisica | 1 online resource (260 p.) |
| Collana | IRMA lectures in mathematics and theoretical physics ; ; 5 |
| Classificazione | SK 350 |
| Altri autori (Persone) | WurzbacherTilman <1961-> |
| Disciplina | 512/.55 |
| Soggetti | Infinite-dimensional manifolds Infinite dimensional Lie algebras Differential equations, Partial Quantum field theory Electronic books. |
| 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. |
| Nota di contenuto | Front matter -- Table of Contents -- Lie groups of germs of analytic mappings -- The flow completion of the Burgers equation -- Enumerative geometry and knot invariants -- Gerbes, (twisted) K-theory, and the supersymmetric WZW model -- Current groups for non-compact manifolds and their central extensions -- Traces and characteristic classes on loop spaces -- New classical limits of quantum theories |
| Sommario/riassunto | The volume is a collection of refereed research papers on infinite dimensional groups and manifolds in mathematics and quantum physics. Topics covered are: new classes of Lie groups of mappings, the Burgers equation, the Chern--Weil construction in infinite dimensions, the Hamiltonian approach to quantum field theory, and different aspects of large N limits ranging from approximation methods in quantum mechanics to modular forms and string/gauge theory duality. Directed at research mathematicians and theoretical physicists as well as graduate students, the volume gives an overview of |

important themes of research at the forefront of mathematics and theoretical physics.
