1. Record Nr. UNINA9910456900103321

Autore	De Paris Alessandro
Titolo	Fat manifolds and linear connections [[electronic resource] /] / Alessandro De Paris, Alexandre Vinogradov
Pubbl/distr/stampa	Hackensack, NJ, : World Scientific, c2009
ISBN	1-282-44094-2 9786612440946 981-281-905-3
Descrizione fisica	1 online resource (310 p.)
Altri autori (Persone)	VinogradovA. M (Aleksandr Mikhailovich)
Disciplina	515/.33 516.35
Soggetti	Differential calculus Commutative algebra Manifolds (Mathematics) Algebras, Linear 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 (p. 281-282) and index.
Nota di contenuto	Preface; Foreword; Contents; 0. Elements of Differential Calculus over Commutative Algebras; 1. Basic Differential Calculus on Fat Manifolds; 2. Linear Connections; 3. Covariant Differential; 4. Cohomological Aspects of Linear Connections; Bibliography; List of Symbols; Index
Sommario/riassunto	In this unique book, written in a reasonably self-contained manner, the theory of linear connections is systematically presented as a natural part of differential calculus over commutative algebras. This not only makes easy and natural numerous generalizations of the classical theory and reveals various new aspects of it, but also shows in a clear and transparent manner the intrinsic structure of the associated differential calculus. The notion of a "fat manifold" introduced here then allows the reader to build a well-working analogy of this "connection calculus" with the usual one.