Record Nr. Autore Titolo	UNINA9910456719503321 Giachetta G Advanced classical field theory [[electronic resource] /] / Giovanni Giachetta, Luigi Mangiarotti, Gennadi Sardanashvily
Pubbl/distr/stampa	Singapore ; ; Hackensack, NJ, : World Scientific, c2009
ISBN	1-282-44286-4 9786612442865 981-283-896-1
Descrizione fisica	1 online resource (393 p.)
Altri autori (Persone)	MangiarottiL SardanashviliG. A (Gennadii Aleksandrovich)
Disciplina	530.143
Soggetti	Field theory (Physics) - Mathematics Lagrange equations 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. 359-367) and index.
Nota di contenuto	 Preface; Contents; Introduction; 1. Differential calculus on fibre bundles; 2. Lagrangian field theory on fibre bundles; 3. Grassmann- graded Lagrangian field theory; 4. Lagrangian BRST theory; 5. Gauge theory on principal bundles; 6. Gravitation theory on natural bundles; 7. Spinor fields; 8. Topological field theories; 9. Covariant Hamiltonian field theory; 10. Appendixes; Bibliography; Index
Sommario/riassunto	Contemporary quantum field theory is mainly developed as quantization of classical fields. Therefore, classical field theory and its BRST extension is the necessary step towards quantum field theory. This book aims to provide a complete mathematical foundation of Lagrangian classical field theory and its BRST extension for the purpose of quantization. Based on the standard geometric formulation of theory of nonlinear differential operators, Lagrangian field theory is treated in a very general setting. Reducible degenerate Lagrangian theories of even and odd fields on an arbitrary smooth manifo

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