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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Contents""; ""Acknowledgments""; ""Foreword""; ""Unstable bundles in quantum field theory""; ""Brackets in the jet-bundle approach to field theory""; ""The BRST structure of twisted $N = 2$ algebra""; ""Anomalies and locality in field theories and M-theory""; ""Gauge covariant algebras and local BRST cohomology""; ""Generalized homologies for $dN = 0$ and graded $q$ -differential algebras""; ""Nonlinear control and diffieties, with an application to physics""; ""Consistent interactions between gauge fields: the cohomological approach"" ""A compatible analytic manifold structure for Lie pseudogroups of infinite type""; ""Cohomology background in geometry of PDE""; ""1. Bracket formalism in commutative algebras""; ""2. Connections and cohomologies""; ""3. Nonlinear differential equations: C-cohomologies, deformations and recursion operators""; ""4. Nonlocal and superextensions""; ""5. Concluding remarks""; ""Acknowledgments""; ""References""; ""Algebraic renormalization of massive supersymmetric

theories"; ""A new look at completely integrable systems and double Lie groups"; ""Quantum dynamics of 3-D vortices""  
""The (secret?) homological algebra of the Batalin a€? Vilkovisky approach""1. The jet bundle setting for Lagrangian field theory"; ""2. Anti-fields as Koszul generators"; ""3. Noether identities and Tate generators"; ""4. Ghosts and the anti-bracket""; ""5. The Batalin-Vilkovisky complex (BV, s=)""; ""6. The BV version of the variational bicomplex""; ""7. The Master Equation and Higher Homotopy Algebra""; ""8. Deformation Theory and the Master Equation in Field Theory""; ""9. Quantization and other puzzles""; ""References""; ""Notes on the horizontal cohomology""  
""Invariants of rational transformations and algebraic entropy""""  
Introduction to Secondary Calculus"; ""1. Infinite jets""; ""2. Infinite prolongations of PDE's and diffieties""; ""3. Higher symmetries of PDE's""; ""4. The C-spectral sequence""; ""5. The structure of the term CE1 for  $0 = \int 00$ ""; ""6. The structure of the term CE1 for  $0 = A\int 00$ ""; ""7. The conception of Secondary Calculus: vector fields and differential forms""; ""8. Secondary modules""; ""9. Secondary modules and flat connections""; ""10. a??-C-spectral sequence""  
""11. Secondary multi-vector-valued differential forms: an example of secondarization""""12. Secondarization versus quantization""; ""13. Bibliography and comments""; ""Acknowledgments""; ""References"";  
""On multiple generalizations of Lie algebras and Poisson manifolds""

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