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Collana	Contemporary mathematics, , 0271-4132 ; ; 219
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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	<p>""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""</p> <p>""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</p>

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"
