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	Titolo	Equivariant Cohomology and Localization of Path Integrals / / by Richard J. Szabo
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	Soggetti	Particles (Nuclear physics)
		Quantum field theory
		Algebraic topology
		Nuclear physics
		Mathematical physics
		Topology
		Global analysis (Mathematics)
		Manifolds (Mathematics)
		Elementary Particles, Quantum Field Theory
		Algebraic Topology
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	Nota di contenuto	Equivariant Cohomology and the Localization Principle -- Finite-Dimensional Localization Theory for Dynamical Systems -- Quantum Localization Theory for Phase Space Path Integrals -- Equivariant Localization on Simply Connected Phase Spaces: Applications to Quantum Mechanics, Group Theory and Spin Systems -- Equivariant Localization on Multiply Connected Phase Spaces: Applications to Homology and Modular Representations -- Beyond the Semi-Classical Approximation -- Equivariant Localization in Cohomological Field Theory -- Appendix A: BRST Quantization -- Appendix B: Other Models

of Equivariant Cohomology.

Sommario/riassunto   This book, addressing both researchers and graduate students, reviews equivariant localization techniques for the evaluation of Feynman path integrals. The author gives the relevant mathematical background in some detail, showing at the same time how localization ideas are related to classical integrability. The text explores the symmetries inherent in localizable models for assessing the applicability of localization formulae. Various applications from physics and mathematics are presented.