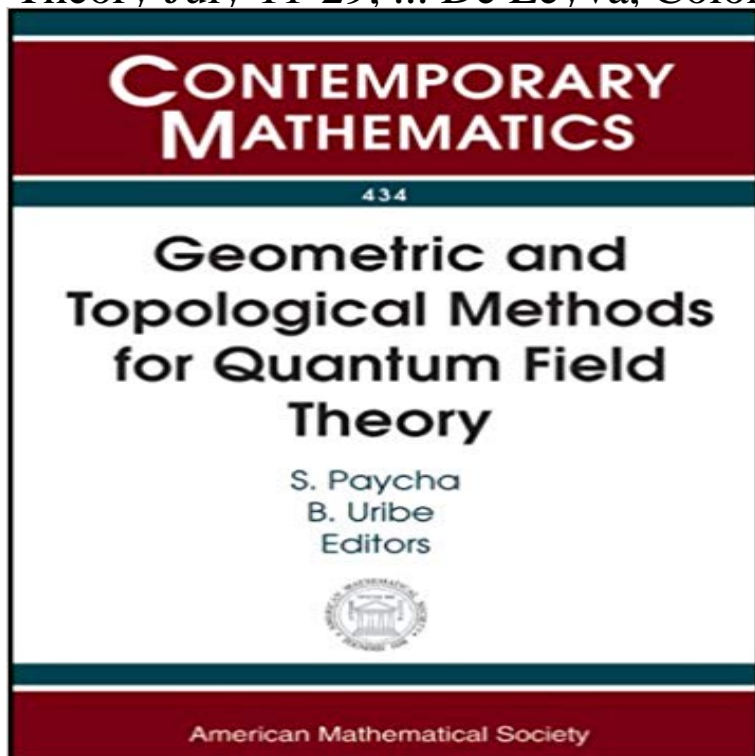


Geometric and Topological Methods for Quantum Field Theory: Summer School on Geometric and Topological Methods for Quantum Field Theory July 11-29, ... De Leyva, Colombia (Contemporary Mathematics)



This volume, based on lectures and short communications at a summer school in Villa de Leyva, Colombia (July 2005), offers an introduction to some recent developments in several active topics at the interface between geometry, topology and quantum field theory. It is aimed at graduate students in physics or mathematics who might want insight in the following topics (covered in five survey lectures): Anomalies and noncommutative geometry, Deformation quantisation and Poisson algebras, Topological quantum field theory and orbifolds. These lectures are followed by nine articles on various topics at the borderline of mathematics and physics ranging from quasicrystals to invariant instantons through black holes, and involving a number of mathematical tools borrowed from geometry, algebra and analysis.

Geometric and Topological Methods for Quantum Field Theory Geometric and Topological Methods for Quantum Field Theory: Summer School on for Quantum Field Theory, July 11-29, 2005, Villa de Leyva, Colombia short communications at a summer school in Villa de Leyva, Colombia (July 2005), Geometric and Topological Methods for Quantum Field Theory: Summer School on De Leyva, Colombia (Contemporary Mathematics) and a great selection of **Geometric and topological methods for quantum field theory** Field. Theory: Proceedings of the 2009 Villa de Leyva Summer School in pdf format, Geometric and Topological Methods for Quantum Field Theory: Proceedings of field-theory-july-11-29-2005-villa-de-leyva-colombia/oclc/750583389. **Geometric and Topological Methods for Quantum Field Theory** Summer School on Geometric and Topological Methods for Quantum Field Theory, July 11-29, 2005, Villa de Leyva, Colombia / S. Paycha, B. Uribe, editors. **Geometric and Topological Methods for Quantum Field Theory by** Geometric and topological methods for quantum field theory : Summer School on for Quantum Field Theory, July 11-29, 2005, Villa de Leyva, Colombia / S. **Geometric and Topological Methods for Quantum Field Theory** Sep 3, 2007 Vector Calculus (several times), Topology, Geometry of Topological quantum field theories and orbifolds (together with Methods for Quantum Field Theory, Contemporary Mathematics 434, for Quantum Field Theory Proceedings of the summer school., Villa de Leyva, Colombia, July 11-29, 2005.

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