

1. Record Nr.	UNINA9910132129303321
Titolo	The Australian & New Zealand wine industry journal
Pubbl/distr/stampa	Adelaide, : Australian Industrial Publishers, 1986-
ISSN	9817-427X
Descrizione fisica	1 online resource
Disciplina	338.4/76632/009931 338.4/76632/00994
Soggetti	Wine industry - Australia Wine industry - New Zealand Wine industry Periodicals. Australia New Zealand
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Title from cover. Issues for 1992- published: Winetitles, previously a division of Australian Industrial Publishers.

2. Record Nr.	UNINA9910144607203321
Titolo	Geometric and Topological Methods for Quantum Field Theory // edited by Hernan Ocampo, Sylvie Paycha, Andrés Vargas
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005
ISBN	9783540315223 3540315225
Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (XV, 230 p.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 668
Disciplina	530.15
Soggetti	Physics Quantum field theory String models Particles (Nuclear physics) Manifolds (Mathematics) Complex manifolds Geometry, Differential Mathematical Methods in Physics Quantum Field Theories, String Theory Elementary Particles, Quantum Field Theory Manifolds and Cell Complexes (incl. Diff.Topology) Differential Geometry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Knot Invariants and Configuration Space Integrals (Christine Lescop) -- Euclidean Quantum Field Theory on Commutative and Noncommutative Spaces (Raimar Wolkenhaar) -- Introduction to String Compactification (Anamaria Font, Stefan Theisen) -- Index Theorems and Noncommutative Topology (Thierry Fack).
Sommario/riassunto	This volume offers an introduction, in the form of four extensive lectures, to some recent developments in several active topics at the interface between geometry, topology and quantum field theory. The first lecture is by Christine Lescop on knot invariants and configuration

spaces, in which a universal finite-type invariant for knots is constructed as a series of integrals over configuration spaces. This is followed by the contribution of Raimar Wulkenhaar on Euclidean quantum field theory from a statistical point of view. The author also discusses possible renormalization techniques on noncommutative spaces. The third lecture is by Anamaria Font and Stefan Theisen on string compactification with unbroken supersymmetry. The authors show that this requirement leads to internal spaces of special holonomy and describe Calabi-Yau manifolds in detail. The last lecture, by Thierry Fack, is devoted to a K-theory proof of the Atiyah-Singer index theorem and discusses some applications of K-theory to noncommutative geometry. These lectures notes, which are aimed in particular at graduate students in physics and mathematics, start with introductory material before presenting more advanced results. Each chapter is self-contained and can be read independently.

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