

1. Record Nr.	UNINA9910480531703321
Titolo	Geometric and spectral analysis / / Pierre Albin, Dmitry Jakobson, Frederic Rochon, editors
Pubbl/distr/stampa	Providence, Rhode Island ; ; Montreal, Quebec : , : American Mathematical Society : , : Centre de Recherches Mathematiques, , 2014 ©2014
ISBN	1-4704-2059-7
Descrizione fisica	1 online resource (366 p.)
Collana	Contemporary Mathematics. Centre de Recherches Mathematiques Proceedings, , 1098-3627 ; ; 613
Disciplina	516
Soggetti	Spectrum analysis Geometric analysis Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"CRM Workshops on: Geometry of Eigenvalues and Eigenfunctions, June 4-8, 2012, Manifolds of Metrics and Probabilistic Methods in Geometry and Analysis, July 2-6, 2012, Spectral Invariants on Non-compact and Singular Spaces, July 23-27, 2012, Centre de Recherches Mathematiques, University de Montreal, Montreal, Quebec, Canada."--Cover.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	""Cover""; ""Title page""; ""Contents""; ""Preface""; ""A New Proof of a Bismut-Zhang Formula for Some Class of Representations""; ""1. Introduction""; ""2. The idea of the proof""; ""3. The Milnor metric and the Farber-Turaev torsion""; ""4. The Ray-Singer norm of the Refined Analytic Torsion""; ""5. The Determinant Line Bundle over the Space of Representations""; ""6. The Bismut-Zhang theorem for some non-unitary representations""; ""References""; ""Tunneling, the Quillen Metric and Analytic Torsion for High Powers of a Holomorphic Line Bundle""; ""1. Introduction"" ""9. The logarithmic Calabi problem""""Acknowledgements""; ""References""; ""Complex -Manifolds""; ""1. Introduction""; ""2. Complex -structures""; ""3. Holomorphic vector bundles""; ""4. The boundary of a complex -manifold""; ""5. Local invariants""; ""6. Indicial complexes""; ""7. Underlying CR complexes""; ""8. Spectrum""; ""9.

Indicial cohomology""; ""Appendix A. Totally characteristic differential operators""; ""References""; ""Iterative Structures on Singular Manifolds""; ""Introduction""; ""1. Manifolds with singularities of higher order""; ""2. The cone algebra""
 ""3. The edge algebra""""4. Shapiro-Lopatinskij edge-ellipticity""; ""5. Iterated Mellin quantisation""; ""6. Toeplitz edge problems""; ""References""; ""The Fundamental Gap and One-Dimensional Collapse""; ""1. Motivation and results""; ""2. Collapsing triangular domains""; ""3. Collapsing polygonal domains""; ""4. The general case""; ""Acknowledgements""; ""References""; ""The Logarithmic Singularities of the Green Functions of the Conformal Powers of the Laplacian""; ""Introduction""; ""1. The Heat Kernel of the Laplace Operator""; ""2. The Bergman Kernel of a Strictly Pseudoconvex Domain""
 ""3. Ambient Metric and Conformal Powers of the Laplacian""""4. Local Conformal Invariants""; ""5. Scattering Theory and Conformal Fractional Powers of the Laplacian""; ""6. Green Functions of Elliptic Operators""; ""7. Green Functions and Conformal Geometry""; ""8. Proof of Theorem 7.3""; ""References""; ""A Symbolic Calculus for Fourier Integral Operators""; ""Introduction""; ""1. Notation and definitions""; ""2. Canonical transformations in $\ast$ ""; ""3. Fourier integral operators""; ""4. Symbolic calculus for FIOs""; ""References""; ""Strichartz Estimates on Exterior Polygonal Domains""
 ""1. Introduction""
