

1. Record Nr.	UNINA990001039990403321
Titolo	DAFX : Digital Audio Effects / Udo Zolzer, Editor
Pubbl/distr/stampa	Chichester : Wiley, c2002
ISBN	0-471-49078-4
Descrizione fisica	xix, 533 p. : ill. ; 25 cm
Disciplina	006.5
Locazione	FI1 SC1
Collocazione	16B-001 S.16B-001 006.5-ZOL-1 006.5-ZOL-1A
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910583701003321
Titolo	Conoscenza, competenza, creatività, crescita : il capitale immateriale per l'Italia di domani / a cura di Mario Ali : [introduzione di Gianni Letta ; postfazione di Francesco Coccopalmerio ; contributi di M. Ali ... et al.]
Pubbl/distr/stampa	Bari ; Roma, : GLF editori Laterza, 2021
ISBN	978-88-581-4502-9
Descrizione fisica	XLI, 164 p. ; 21 cm
Collana	Percorsi ; 185
Disciplina	507.2045
Locazione	FSPBC
Collocazione	COLLEZ. 1924 (185)
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. Record Nr.	UNINA9910781084803321
Autore	Bismut Jean-Michel
Titolo	The hypoelliptic Laplacian and Ray-Singer metrics [[electronic resource] /] / Jean-Michel Bismut, Gilles Lebeau
Pubbl/distr/stampa	Princeton, : Princeton University Press, 2008
ISBN	1-282-45837-X 9786612458378 1-4008-2906-2
Edizione	[Course Book]
Descrizione fisica	1 online resource (378 p.)
Collana	Annals of mathematics studies ; ; no. 167
Classificazione	SK 620
Altri autori (Persone)	LebeauGilles
Disciplina	515/.7242
Soggetti	Differential equations, Hypoelliptic Laplacian operator Metric spaces
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. [353]-357) and indexes.
Nota di contenuto	Frontmatter -- Contents -- Introduction -- Chapter 1. Elliptic Riemann-Roch-Grothendieck and flat vector bundles -- Chapter 2. The hypoelliptic Laplacian on the cotangent bundle -- Chapter 3. Hodge theory, the hypoelliptic Laplacian and its heat kernel -- Chapter 4. Hypoelliptic Laplacians and odd Chern forms -- Chapter 5. The limit as $t \rightarrow +\infty$ and $b \rightarrow 0$ of the superconnection forms -- Chapter 6. Hypoelliptic torsion and the hypoelliptic Ray-Singer metrics -- Chapter 7. The hypoelliptic torsion forms of a vector bundle -- Chapter 8. Hypoelliptic and elliptic torsions: a comparison formula -- Chapter 9. A comparison formula for the Ray-Singer metrics -- Chapter 10. The harmonic forms for $b \rightarrow 0$ and the formal Hodge theorem -- Chapter 11. A proof of equation (8.4.6) -- Chapter 12. A proof of equation (8.4.8) -- Chapter 13. A proof of equation (8.4.7) -- Chapter 14. The integration by parts formula -- Chapter 15. The hypoelliptic estimates -- Chapter 16. Harmonic oscillator and the J_0 function -- Chapter 17. The limit of $A_{2b, \pm H}$ as $b \rightarrow 0$ -- Bibliography -- Subject Index -- Index of Notation
Sommario/riassunto	This book presents the analytic foundations to the theory of the hypoelliptic Laplacian. The hypoelliptic Laplacian, a second-order

operator acting on the cotangent bundle of a compact manifold, is supposed to interpolate between the classical Laplacian and the geodesic flow. Jean-Michel Bismut and Gilles Lebeau establish the basic functional analytic properties of this operator, which is also studied from the perspective of local index theory and analytic torsion. The book shows that the hypoelliptic Laplacian provides a geometric version of the Fokker-Planck equations. The authors give the proper functional analytic setting in order to study this operator and develop a pseudodifferential calculus, which provides estimates on the hypoelliptic Laplacian's resolvent. When the deformation parameter tends to zero, the hypoelliptic Laplacian converges to the standard Hodge Laplacian of the base by a collapsing argument in which the fibers of the cotangent bundle collapse to a point. For the local index theory, small time asymptotics for the supertrace of the associated heat kernel are obtained. The Ray-Singer analytic torsion of the hypoelliptic Laplacian as well as the associated Ray-Singer metrics on the determinant of the cohomology are studied in an equivariant setting, resulting in a key comparison formula between the elliptic and hypoelliptic analytic torsions.
