

1. Record Nr.	UNINA9910820401703321
Autore	Lott John <1959->
Titolo	Diffeomorphisms and noncommutative analytic torsion // John Lott
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [1999] ©1999
ISBN	1-4704-0264-5
Descrizione fisica	1 online resource (71 p.)
Collana	Memoirs of the American Mathematical Society, , 0065-9266 ; ; number 673
Disciplina	510 s 514/.42
Soggetti	Diffeomorphisms Index theorems Noncommutative differential geometry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"September 1999, volume 141, number 673 (third of 4 numbers)."
Nota di bibliografia	Includes bibliographical references (pages 55-56).
Nota di contenuto	""Contents""; ""1. Introduction""; ""2. Noncommutative Bundle Theory""; ""2.1. Noncommutative Differential Forms""; ""2.2. Noncommutative Connections and Chern Character""; ""2.3. Chern-Simons Classes of Partially Flat Connections""; ""3. Groups and Covering Spaces""; ""3.1. Cyclic Cohomology of Group Algebras""; ""3.2. Noncommutative Geometry of Covering Spaces""; ""4. Ba€?Hermitian Metrics and Characteristic Classes""; ""4.1. Ba€?Hermitian Metrics""; ""4.2. Ba€?Hermitian Metrics, Group Algebras and Assembly Maps""; ""5. Noncommutative Superconnections"" ""5.1. Partially Flat Superconnections"" ""5.2. A Finitea€?Dimensional Index Theorem""; ""5.3. The Analytic Torsion Form""; ""6. Fiber Bundles""; ""6.1. Ba€?Pseudodifferential Calculus""; ""6.2. Induced Superconnections""; ""6.3. Small Time Limits""; ""6.4. Index Theorems""; ""6.5. The Analytic Torsion Form II""; ""7. Diffeomorphism Groups""; ""7.1. Free Abelian Fundamental Groups""; ""7.2. General Fundamental Groups""; ""References""