

1. Record Nr.	UNISA996466818403316
Autore	Park D
Titolo	Classical Dynamics and Its Quantum Analogues [[electronic resource] /] / by D. Park
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1979
ISBN	3-540-46838-2
Edizione	[1st ed. 1979.]
Descrizione fisica	1 online resource (VIII, 339 p.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 110
Disciplina	531/.11
Soggetti	Quantum physics Quantum computers Spintronics Quantum Physics Quantum Information Technology, Spintronics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Rays of light -- Orbits of particles -- N-particle systems -- Hamiltonian dynamics -- The Hamilton-Jacobi theory -- Action and phase -- Theory of perturbations -- The motion of a rigid body -- Continuous systems.

2. Record Nr.	UNISA996466549803316
Autore	Kha Minh
Titolo	Liouville-Riemann-Roch theorems on Abelian coverings / / Minh Kha, Peter Kuchment
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] Â©2021
ISBN	3-030-67428-2
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XII, 96 p. 2 illus., 1 illus. in color.)
Collana	Lecture Notes in Mathematics ; ; Volume 2245
Disciplina	515.353
Soggetti	Differential equations, Elliptic Riemann-Roch theorems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preliminaries -- The Main Results -- Proofs of the Main Results -- Specific Examples of Liouville-Riemann-Roch Theorems -- Auxiliary Statements and Proofs of Technical Lemmas -- Final Remarks and Conclusions.
Sommario/riassunto	This book is devoted to computing the index of elliptic PDEs on non-compact Riemannian manifolds in the presence of local singularities and zeros, as well as polynomial growth at infinity. The classical Riemann–Roch theorem and its generalizations to elliptic equations on bounded domains and compact manifolds, due to Maz'ya, Plameneskii, Nadirashvili, Gromov and Shubin, account for the contribution to the index due to a divisor of zeros and singularities. On the other hand, the Liouville theorems of Avellaneda, Lin, Li, Moser, Struwe, Kuchment and Pinchover provide the index of periodic elliptic equations on abelian coverings of compact manifolds with polynomial growth at infinity, i.e. in the presence of a "divisor" at infinity. A natural question is whether one can combine the Riemann–Roch and Liouville type results. This monograph shows that this can indeed be done, however the answers are more intricate than one might initially expect. Namely, the interaction between the finite divisor and the point at infinity is non-trivial. The text is targeted towards researchers in PDEs, geometric analysis, and mathematical physics.

