

1.	Record Nr.	UNINA990009387750403321
	Autore	Unione italiana di termofluidodinamica
	Titolo	Proceedings UIT 2011 XXIX Heat Transfer Conference : Torino, 20-22 June / Unione Italiana di Termofluidodinamica
	Pubbl/distr/stampa	Torino : UIT, 2011
	Locazione	DETEC
	Collocazione	00 C3261 00 C3262
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910706906703321
	Autore	Berdan Jean Milton
	Titolo	Leperditicopid ostracodes from Ordovician rocks of Kentucky and nearby states and characteristic features of the Order Leperditicopida / / by Jean M. Berdan; prepared in cooperation with the Commonwealth of Kentucky, University of Kentucky, Kentucky Geological Survey
	Pubbl/distr/stampa	Washington : , : Department of the Interior, U. S. Geological Survey, , 1984
	Descrizione fisica	1 online resource (iv, J40 pages, 11 unnumbered pages of plates) : illustrations, maps
	Collana	Geological Survey professional paper ; ; 1066-J Contributions to the Ordovician paleontology of Kentucky and nearby states
	Soggetti	Leperditicopida Paleontology - Ordovician Paleontology - Kentucky Ordovician Geologic Period Paleontology Kentucky
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa

Livello bibliografico	Monografia
Note generali	Title from title screen (viewed October 9, 2014). "Descriptions and illustrations of 16 ostracode taxa, including 2 new genera, 3 new species, and 1 new subspecies, with discussions of their paleoecologic and stratigraphic significance."
Nota di bibliografia	Includes bibliographical references (pages J37-J40).

3. Record Nr.	UNINA9910373934503321
Autore	Alase Abhijeet
Titolo	Boundary Physics and Bulk-Boundary Correspondence in Topological Phases of Matter / / by Abhijeet Alase
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-31960-1
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XVII, 200 p. 23 illus., 19 illus. in color.)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5053
Disciplina	530.41
Soggetti	Solid state physics Phase transformations (Statistical physics) Mathematical physics Physics Semiconductors Solid State Physics Phase Transitions and Multiphase Systems Mathematical Physics Mathematical Methods in Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter1: Introduction -- Chapter2: Generalization of Bloch's theorem to systems with boundary -- Chapter3: Investigation of topological boundary states via generalized Bloch theorem -- Chapter4: Matrix factorization approach to bulk-boundary correspondence -- Chapter5: Mathematical foundations to the generalized Bloch theorem --

Sommario/riassunto

This thesis extends our understanding of systems of independent electrons by developing a generalization of Bloch's Theorem which is applicable whenever translational symmetry is broken solely due to arbitrary boundary conditions. The thesis begins with a historical overview of topological condensed matter physics, placing the work in context, before introducing the generalized form of Bloch's Theorem. A cornerstone of electronic band structure and transport theory in crystalline matter, Bloch's Theorem is generalized via a reformulation of the diagonalization problem in terms of corner-modified block-Toeplitz matrices and, physically, by allowing the crystal momentum to take complex values. This formulation provides exact expressions for all the energy eigenvalues and eigenstates of the single-particle Hamiltonian. By precisely capturing the interplay between bulk and boundary properties, this affords an exact analysis of several prototypical models relevant to symmetry-protected topological phases of matter, including a characterization of zero-energy localized boundary excitations in both topological insulators and superconductors. Notably, in combination with suitable matrix factorization techniques, the generalized Bloch Hamiltonian is also shown to provide a natural starting point for a unified derivation of bulk-boundary correspondence for all symmetry classes in one dimension.

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