

1. Record Nr.	UNINA990000878790403321
Autore	Chen, Wai Fah
Titolo	Limit analysis and soil plasticity / Wai-Fah Chen
Pubbl/distr/stampa	Amsterdam ; Oxford : Elsevier, 1975
ISBN	0444412492
Descrizione fisica	XIV, 638 p. : ill. ; 25 cm
Collana	Developments in geotechnical engineering ; 7
Localione	DINID DINSC IINTC
Collocazione	15 GT-L/6-3 07 C-86 03 F.0,42 07 F-21
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910736979603321
Autore	Exner Pavel
Titolo	Quantum Waveguides // by Pavel Exner, Hynek Kovařík
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-18576-4
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (398 p.)
Collana	Theoretical and Mathematical Physics, , 1864-5879
Disciplina	530.12
Soggetti	Physics Differential equations Quantum theory Mathematical physics Operator theory Mathematical Methods in Physics Ordinary Differential Equations Quantum Physics Theoretical, Mathematical and Computational Physics Operator Theory
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 and index.
Nota di contenuto	Geometrically Induced Bound States -- Transport in locally perturbed tubes -- More about the waveguide spectra -- Dirichlet Layers -- Point Perturbations -- Weakly Coupled Bound States -- External Fields and Magnetic Transport -- Graph Limits of Thin Network Systems -- Periodic and Random Systems -- Leaky Waveguides.
Sommario/riassunto	This monograph explains the theory of quantum waveguides, that is, dynamics of quantum particles confined to regions in the form of tubes, layers, networks, etc. The focus is on relations between the confinement geometry on the one hand and the spectral and scattering properties of the corresponding quantum Hamiltonians on the other. Perturbations of such operators, in particular, by external fields are also considered. The volume provides a unique summary of twenty five years of research activity in this area and indicates ways in which the

theory can develop further. The book is fairly self-contained. While it requires some broader mathematical physics background, all the basic concepts are properly explained and proofs of most theorems are given in detail, so there is no need for additional sources. Without a parallel in the literature, the monograph by Exner and Kovarik guides the reader through this new and exciting field.

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