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Autore	Mitter, Sanjoy K.
Titolo	Nonlinear filtering and stochastic control : proceedings of the 3rd 1981 session of the Centro internazionale matematico estivo (C.I.M.E.), held at Cortona, July 1-10, 1981 / edited by S. K. Mitter and A. Moro
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Descrizione fisica	viii, 297 p. ; 25 cm.
Collana	Lecture notes in mathematics, 0075-8434 ; 972
Classificazione	AMS 60G35 AMS 60H10 AMS 60H15 AMS 93E11 AMS 93E20 AMS 93E25
Altri autori (Persone)	Moro, Antonio
Disciplina	519.86
Soggetti	Filtering - Congresses Stochastic control theory - Congresses Stochastic differential equations - Congresses
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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2. Record Nr.	UNINA9910633911003321
Autore	Wei Peijun
Titolo	Theory of Elastic Waves / / by Peijun Wei
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	9789811956621 9789811956614
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (371 pages)
Collana	Physics and Astronomy Series
Disciplina	531.1133
Soggetti	Continuum mechanics Mechanics, Applied Solids Acoustics Surfaces (Physics) Continuum Mechanics Solid Mechanics Surface and Interface and Thin Film
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1 Fundamentals of Elastodynamics -- Chapter 2 Elastic waves in an infinite medium -- Chapter 3 Reflection and transmission of elastic waves at interfaces -- Chapter4 Reflection and transmission of elastic waves in multilayer media -- Chapter 5. Surface wave and interface wave -- Chapter 6 Guided waves -- References.
Sommario/riassunto	This book highlights a systematic introduction to the basic theory of elastic wave propagation in complex media. The theory of elastic waves is widely used in fields such as geophysical exploration, seismic survey, medical ultrasound imaging, nondestructive testing of materials and structures, phononic crystals, metamaterials and structure health monitoring. To help readers develop a systematic grasp of the basic theory, and thus its applications, the book elaborates on the theory of elastic wave propagation in isotropic solid media, covering phenomena in infinite media, interfaces, layered structure with finite thickness, Rayleigh wave and Love wave propagating along the surface of semi-

infinite solid and covering layer, and the guided waves and leaky waves in flat plates and in cylindrical rods. The propagation patterns and features of guided waves in cylindrical shells and spherical shells are also introduced. The author wrote the book based on a decade of teaching experience of a graduate course of the same name and two decades of research on the theory and applications. The book is a valuable reference for students, researchers and professionals who expect an understandable and comprehensive discussion of the theory, analytical methods and related research results.

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