1. Record Nr.   UNINA9910789208203321

Autore   Rüeger Jean M

Titolo   Electronic Distance Measurement [[electronic resource]] : An Introduction / / by Jean M. Rüeger

Pubbl/distr/stampa   Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1996

ISBN   3-642-80233-8

Edizione   [4th ed. 1996.]

Descrizione fisica   1 online resource (XIX, 276 p.)

Disciplina   526/.028

Soggetti   Geophysics
Geographical information systems
Solid state physics
Spectroscopy
Microscopy
Geophysics/Geodesy
Geographical Information Systems/Cartography
Solid State Physics
Spectroscopy and Microscopy

Lingua di pubblicazione   Inglese

Formato   Materiale a stampa

Livello bibliografico   Monografia

Note generali   "With 56 Figures and 18 Tables."

Nota di bibliografia   Includes bibliographical references and index.

Nota di contenuto   1 History -- 2 Physical Laws and Units Related to EDM -- 2.1 Definitions -- 2.2 Frequency Spectrum -- 2.3 Velocity of Light in a Vacuum -- 2.4 Units and Their Definitions -- 3 Principles and Applications of EDM -- 3.1 Pulse Method -- 3.2 Phase Difference Method -- 3.3 Doppler Methods -- 3.4 Interferometry -- 4 Basic Working Principles of Electronic Distance Meters -- 4.1 Electro-Optical Instruments -- 4.2 Microwave Instruments -- 5 Propagation of Electromagnetic Waves Through the Atmosphere -- 5.1 Atmospheric Transmittance -- 5.2 Range of EDM Instruments -- 5.3 Phase Refractive Index -- 5.4 Group Refractive Index of Light and NIR Waves for Standard Conditions -- 5.5 Group Refractive Index of Light and NIR Waves at Ambient Conditions -- 5.6 Refractive Index of Microwaves -- 5.7 Coefficient of Refraction -- 5.8 Measurement of Atmospheric Parameters -- 5.9 Determination of the Refractive Index -- 6 Velocity

Sommario/riassunto	Electronic Distance Measurement This text gives an up-to-date introduction into electronic distance measurement (EDM) with a comprehensive review of modern equipment and procedures. It is excellently suited as a text for undergraduate and graduate students and an invaluable reference for practicing surveyors, geodesists and other scientists using EDM as a measuring tool. This fourth edition of a text first published in Sydney in 1978 is based on Rüeger's teaching experience at the University of New South Wales in Sydney, Australia. Introductory chapters provide an overview of relevant laws of physics and basic principles of different types of EDM instruments. The following chapters examine velocity corrections, derive geometrical reductions from first principles and explain the design of state-of-the-art electro-optical distance meters. The final chapters introduce reflectors, power sources and instrument errors, and conclude with measurement and analysis procedures for the calibration of distance meters.

2.	Record Nr.	UNINA9910808738103321
	Autore	Weintraub Steven H.
	Titolo	A guide to advanced linear algebra / / Steven H. Weintraub [[electronic resource]]
	Pubbl/distr/stampa	Washington : , : Mathematical Association of America, , 2011
	ISBN	0-88385-967-X
	Descrizione fisica	1 online resource (xii, 251 pages) : digital, PDF file(s)
	Collana	Dolciani Mathematical Expositions, ; v. 44 Dolciani mathematical expositions ; ; no. 44 MAA guides ; ; no. 6
	Disciplina	516.3/55
	Soggetti	Algebras, Linear
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Title from publisher's bibliographic system (viewed on 02 Oct 2015).
	Nota di bibliografia	Includes bibliographical references (p. 245) and index.
	Nota di contenuto	Vector spaces and linear transformations -- Coordinates -- Determinants -- The structure of a linear transformation I -- The structure of a linear transformation II -- Bilinear, sesquilinear, and quadratic forms -- Real and complex inner product spaces -- Matrix groups as Lie groups -- Polynomials -- Modules over principal ideal domains.
	Sommario/riassunto	Linear algebra occupies a central place in modern mathematics. This book provides a rigorous and thorough development of linear algebra at an advanced level, and is directed at graduate students and professional mathematicians. It approaches linear algebra from an algebraic point of view, but its selection of topics is governed not only for their importance in linear algebra itself, but also for their applications throughout mathematics. Students in algebra, analysis, and topology will find much of interest and use to them, and the careful treatment and breadth of subject matter will make this book a valuable reference for mathematicians throughout their professional lives. Topics treated in this book include: vector spaces and linear transformations; dimension counting and applications; representation of linear transformations by matrices; duality; determinants and their uses; rational and especially Jordan canonical form; bilinear forms; inner product spaces; normal linear transformations and the spectral theorem; and an introduction to matrix groups as Lie groups. The

book treats vector spaces in full generality, though it concentrates on the finite dimensional case. Also, it treats vector spaces over arbitrary fields, specializing to algebraically closed fields or to the fields of real and complex numbers as necessary.

3.

Record Nr.	UNIORUON00381567
Autore	MACGREGOR, David R.
Titolo	The Communist ideal in Hegel and Marx / David MacGregor - London ; Sidney : Allen & Unwin, c1984 - VIII, 312 p. ; 24 cm
ISBN	00-490-9016-X
Disciplina	320.532
Soggetti	COMUNISMO - Principi
	HEGEL GEORG WILHELM FRIEDRICH - Concezione politica
	Marx Karl (1818-1883)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia