1. Record Nr. UNINA990009864530403321

Autore	Blackman, Robert
Titolo	Design and analysis of modern tracking systems / Samuel Blackman, Robert Popoli
Pubbl/distr/stampa	Boston ; London : Artech House, c1999
ISBN	978-1-58053-006-4
Descrizione fisica	XXXI, 1230 p. ; 24 cm
Altri autori (Persone)	Popoli, Robert
Disciplina	621.3848
Locazione	FINBC
Collocazione	13 26 04
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNISA996393085403316

Autore	Chetwynd John <1623-1692.>
Titolo	The watch charged. Or, a warning to God's watch-men [[electronic resource]] : Being a sermon preached at Bridge-water in the county of Somerset on the 29. day of September 1658. which was a day set apart for ordination, and the generall meeting of the associated ministers in that county. / / By John Chetwind, Mr. of Arts, preacher of the gospel, and one of the joynt-pastors for the city and parish of Cuthberts in Wells
Pubbl/distr/stampa	London, : Printed by Roger Daniel, and are to be sold by Edward Brewster at the sign of the Crane in Paul's Church-yard., 1659
Descrizione fisica	[8], 88 p
Soggetti	Sermons, English - 17th century
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Annotation on Thomason copy: "March 11"; also the last number of the imprint date has been marked through and replaced with an "8". Reproduction of the original in the British Library.
Sommario/riassunto	eebo-0018

3. Record Nr. UNINA9910830108203321

Autore	Becherrawy Tamer
Titolo	Mechanical and electromagnetic vibrations and waves [[electronic resource] /] / Tamer Becherrawy
Pubbl/distr/stampa	Hoboken, N.J., : John Wiley & Sons, Inc., London, : ISTE Ltd., 2012
ISBN	1-118-58652-2 1-118-58656-5 1-118-58654-9 1-299-18693-9
Edizione	[1st edition]
Descrizione fisica	1 online resource (414 p.)
Collana	ISTE
Disciplina	531.32 531/.32 620.11248
Soggetti	Electromagnetic fields - Mathematical models Electromagnetic waves - Mathematical models Electrodynamics - Mathematical models Oscillations - Mathematical models Engineering mathematics
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	Cover; Title Page; Copyright Page; Table of Contents; Preface; Chapter 1. Free Oscillations; 1.1. Oscillations and waves, period and frequency; 1.2. Simple harmonic vibrations: differential equation and linearity; 1.3. Complex representation and phasor representation; 1.4. Point mass subject to a force-Kx; 1.5. Angular oscillations; 1.6. Damped oscillations; 1.7. Dissipation of the energy of a damped oscillator; 1.8. Oscillating LCR circuits; 1.9. Small oscillations of a system with one degree of freedom; 1.10. Nonlinear oscillators; 1.11. Systems with two degrees of freedom 1.12. Generalization to systems with n degrees of freedom1.13. Normal variables for systems with n degrees of freedom*; 1.14. Summary; 1.15. Problem solving suggestions; 1.16. Conceptual questions; 1.17.

Problems; Chapter 2. Superposition of Harmonic Oscillations, Fourier Analysis; 2.1. Superposition of two scalar and isochronous simple harmonic oscillations; 2.2. Superposition of two perpendicular and isochronous vector oscillations, polarization; 2.3. Superposition of two perpendicular and non-isochronous oscillations
2.4. Superposition of scalar non-synchronous harmonic oscillations, beats2.5. Fourier analysis of a periodic function; 2.6. Fourier analysis of a non-periodic function; 2.7. Fourier analysis of a signal, uncertainty relation; 2.8. Dirac delta-function; 2.9. Summary; 2.10. Problem solving suggestions; 2.11. Conceptual questions; 2.12. Problems; Chapter 3. Forced Oscillations; 3.1. Transient regime and steady regime; 3.2. Case of a simple harmonic excitation force; 3.3. Resonance; 3.4. Impedance and energy of a forced oscillator in the steady regime; 3.5. Complex impedance
3.6. Sustained electromagnetic oscillations3.7. Excitation from a state of equilibrium*; 3.8. Response to an arbitrary force, nonlinear systems*; 3.9. Excitation of a system of coupled oscillators*; 3.10. Generalization of the concepts of external force and impedance*; 3.11. Some applications; 3.12. Summary; 3.13. Problem solving suggestions; 3.14. Conceptual questions; 3.15. Problems; Chapter 4. Propagation in Infinite Media; 4.1. Propagation of one-dimensional waves; 4.2. Propagation of two- and three-dimensional waves; 4.3. Propagation of a vector wave
4.4. Polarization of a transverse vector wave4.5. Monochromatic wave, wave vector and wavelength; 4.6. Dispersion; 4.7. Group velocity; 4.8. Fourier analysis for waves*; 4.9. Modulation*; 4.10. Energy of waves; 4.11. Other unattenuated wave equations, conserved quantities*; 4.12. Impedance of a medium*; 4.13. Attenuated waves; 4.14. Sources and observers in motion, the Doppler effect and shock waves; 4.15. Summary; 4.16. Problem solving suggestions; 4.17. Conceptual questions; 4.18. Problems; Chapter 5. Mechanical Waves; 5.1. Transverse waves on a taut string
5.2. Strain and stress in elastic solids

Sommario/riassunto

Dealing with vibrations and waves, this text aims to provide understanding of the basic principles and methods of analysing various physical phenomena. The content includes the general properties of propagation, a detailed study of mechanical (elastic and acoustic) and electromagnetic waves, propagation, attenuation, dispersion, reflection, interference and diffraction of waves. It features chapters on the effect of motion of sources and observers (both classical and relativistic), emission of electromagnetic waves, standing and guided waves and a final chapter on de Broglie wa