

1. Record Nr.	UNINA9910782781203321
Autore	Dukkipati Rao V
Titolo	Solving vibration analysis problems using MATLAB [[electronic resource] /] / Rao V. Dukkipati
Pubbl/distr/stampa	New Delhi, : New Age International (P) Ltd., Publishers, 2007
ISBN	1-281-89241-6 9786611892418 81-224-2427-9
Descrizione fisica	1 online resource (234 p.)
Disciplina	620.3028/5
Soggetti	Vibration - Data processing Dynamics - Data processing
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 (p. 207-217).
Nota di contenuto	Cover; Preface; Acknowledgements; Contents; Chapter 1 Introduction to Mechanical Vibrations; Chapter 2 MATLAB Basics; Chapter 3 MATLAB Tutorial; Bibliography
Sommario/riassunto	Solving Engineering Vibration Analysis Problems using MATLAB book is designed as an introductory undergraduate or graduate course for engineering students of all disciplines. Vibration analysis is a multidisciplinary subject and presents a system dynamics methodology based on mathematical fundamentals and stresses physical system modeling. The classical methods of vibration analysis engineering are covered: matrix analysis, Laplace transforms and transfer functions.