1. Record Nr. UNINA9910456614903321

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Titolo	Wave propagation for train-induced vibrations [[electronic resource]] : a finite/infinite element approach / / Y B Yang, H H Hung
Pubbl/distr/stampa	Hackensack, NJ, : World Scientific, c2009
ISBN	1-282-44320-8 9786612443206 981-283-583-0
Descrizione fisica	1 online resource (490 p.)
Altri autori (Persone)	HongXiaohui
Disciplina	625
Soggetti	Railroad tracks - Vibration - Mathematical models Vibration - Research Electronic books.
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. 453-463) and index.
Nota di contenuto	Foreword; Preface; Contents; 1 Introduction; 2 Elastic Waves in Half-Space Due to Vehicular Loads; 3 2D Finite/Infinite Element Method; 4 Characteristics of Foundation Vibrations; 5 Wave Barriers for Vibration Isolation of Foundations: Parametric Study; 6 Vibration Reduction of Buildings Located Alongside Railways; 7 2.5D Finite/Infinite Element Method; 8 Ground Vibration Due to Moving Loads: Parametric Study; 9 Wave Barriers for Reduction of Train-Induced Vibrations: Parametric Study; 10 Soil Vibrations Caused by Underground Moving Trains Appendix Steady-State Response in Finite Integrals by Eason (1965) Bibliography; Author Index; Subject Index
Sommario/riassunto	For buildings and factories located near railway or subway lines, the vibrations caused by the moving trains, especially at high speeds, may be annoying to the residents or detrimental to the high-precision production lines. However, there is a lack of simple and efficient tools for dealing with the kind of environmental vibrations, concerning simulation of the radiation of infinite boundaries; irregularities in soils, buildings and wave barriers; and dynamic properties of the moving vehicles. This book is intended to fill such a gap.