



Dynamics of Structure and Foundation - A Unified Approach: 2. Applications

By Indrajit Chowdhury, Shambhu P. Dasgupta



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Designed to provide engineers with quick access to current and practical information on the dynamics of structure and foundation, this 2-volume reference work is intended for engineers involved with earthquake or dynamic analysis, or the design of machine foundations in the oil, gas, and energy sector. Whereas the first volume deals with the fundamentals, this volume is dedicated to applications in various civil engineering problems, related to dynamic soil-structure interaction, machine foundation and earthquake engineering. It presents innovative, easy-to-apply and practical solutions to various problems and difficulties a design engineer will encounter. It allows quick access to targeted information; it includes a wealth of case studies and also examines geotechnical considerations with regard to dynamic soil-structure interaction. This book is concentrated on three major application areas: dynamic soil-structure interaction (DSSI), the analysis and design of machine foundations, and on the analytical and design concepts for earthquake engineering. Vol. 1 (ISBN 9780415471459) focusses on the theory and fundamentals book.

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- Rank: #3962361 in eBooks
- Published on: 2008-12-18
- Released on: 2008-12-18
- Format: Kindle eBook

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