



Structural Dynamics : Models, Methods, Examples

By Konstantin Meskouris

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Vibration problems are not uncommon in many civil engineering structures and an insight into the principles involved plus some degree of expertise in modern, computer-based methods for dealing with them is becoming increasingly important for the engineering profession. Written for engineering students as well as for practising engineers, this book provides a comprehensive introduction to the theory of structural dynamics with special emphasis on practical issues, illustrating applications by a plethora of worked examples. As an innovative feature, it includes a large number of computer programs as ready-to-use executables on a CD-ROM, complete with detailed input/output descriptions and auxiliary software. In the spirit of "learning by doing", it encourages readers to immediately apply these tools to their own problems, becoming familiar with the broad field of structural dynamic response in the process.

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