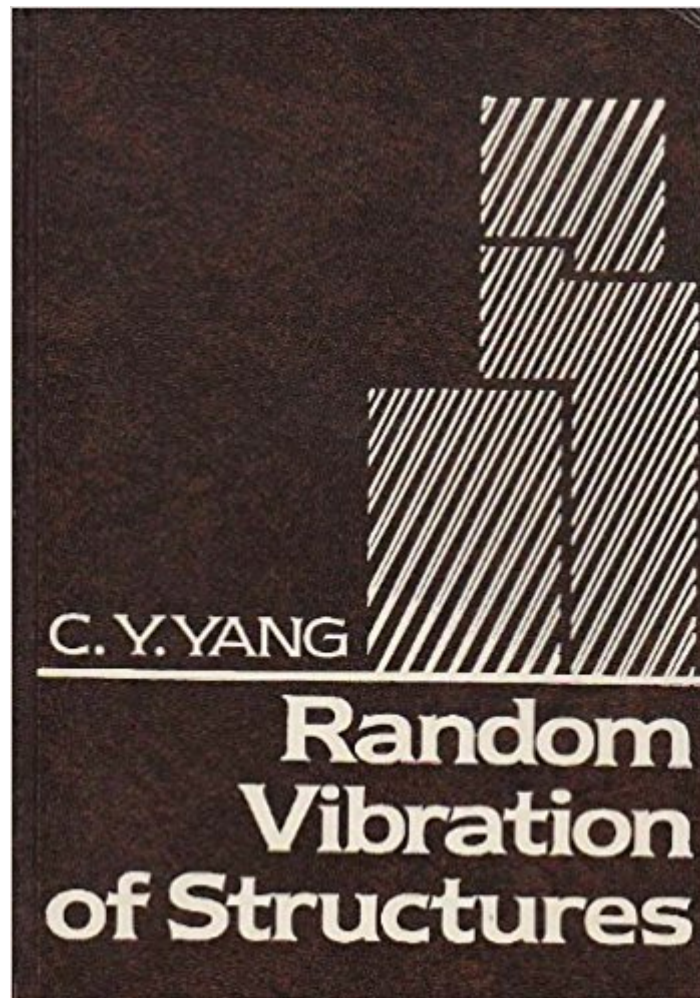


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Random Vibration Of Structures



Synopsis

A basic text emphasizing engineering concepts and methods of analysis used in the design of structures subjected to dynamic environmental loads, such as earthquake ground motions, ocean surface wave forces and severe storm wind pressures. Approaches randomness or uncertainty in loads through probabilistic and statistical methods using simple engineering terms with a minimum amount of advanced mathematics. Among the topics discussed are several new areas of interest to engineers: random load modelling, time dependent random loads, continuous structural systems, and nonlinear structures. Includes numerous engineering examples and exercises.

Book Information

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