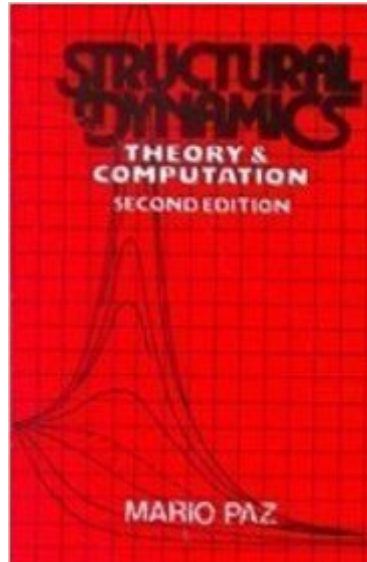The book was found

Structural Dynamics – Theory & Computation, 2E

Synopsis

Structural dynamics: theory and computation by mario paz is based on the subject of structures. This is an important subject for students of civil engineering, which makes the theory and the computations provided in this book essential to their academic pursuits. The author describes the harmonic responses of structures, with respect to distributed inertia and discrete systems. Students should be able to understand the link between the solutions to practical questions and differential equations on reading this book.the book contains twenty-two chapters, categorised under five sections, including structures modelled as a single degree-of-freedom system, modelled as shear buildings, modelled as discrete multi-degree-of-freedom system, modelled with distributed properties and random vibrations. The author has included a new topic in the book, where he elaborates his own method of reducing eigen problems. This helps in deducing the exact answer for every mode. Some highly important chapters and easy applications are given in the book, making it useful for people who are both studying and working in the field of civil engineering.at the end of all the chapters, the readers are provided with a summary and highlights of the important chapters, which act as a quick recap. Cbs published the second edition of structural dynamics: theory and computation in 2004 and is available in paperback.

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