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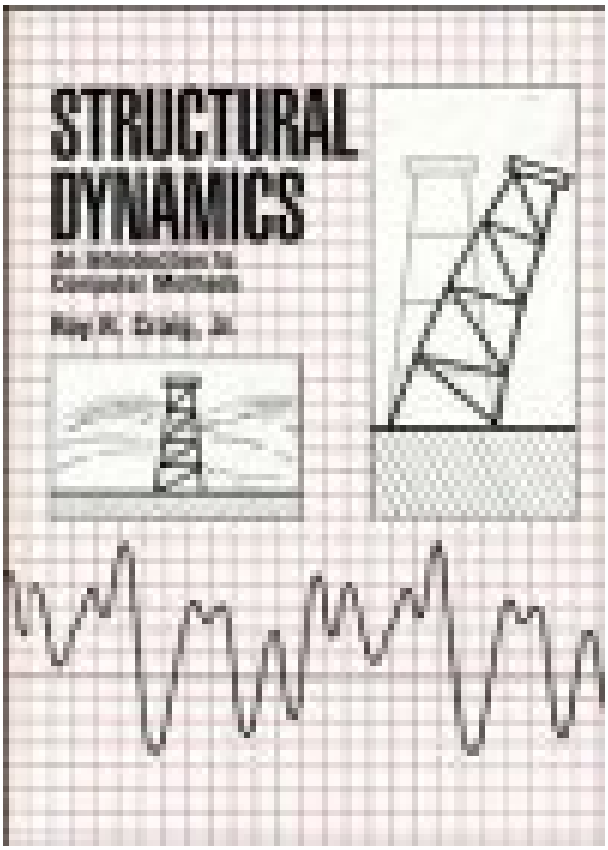

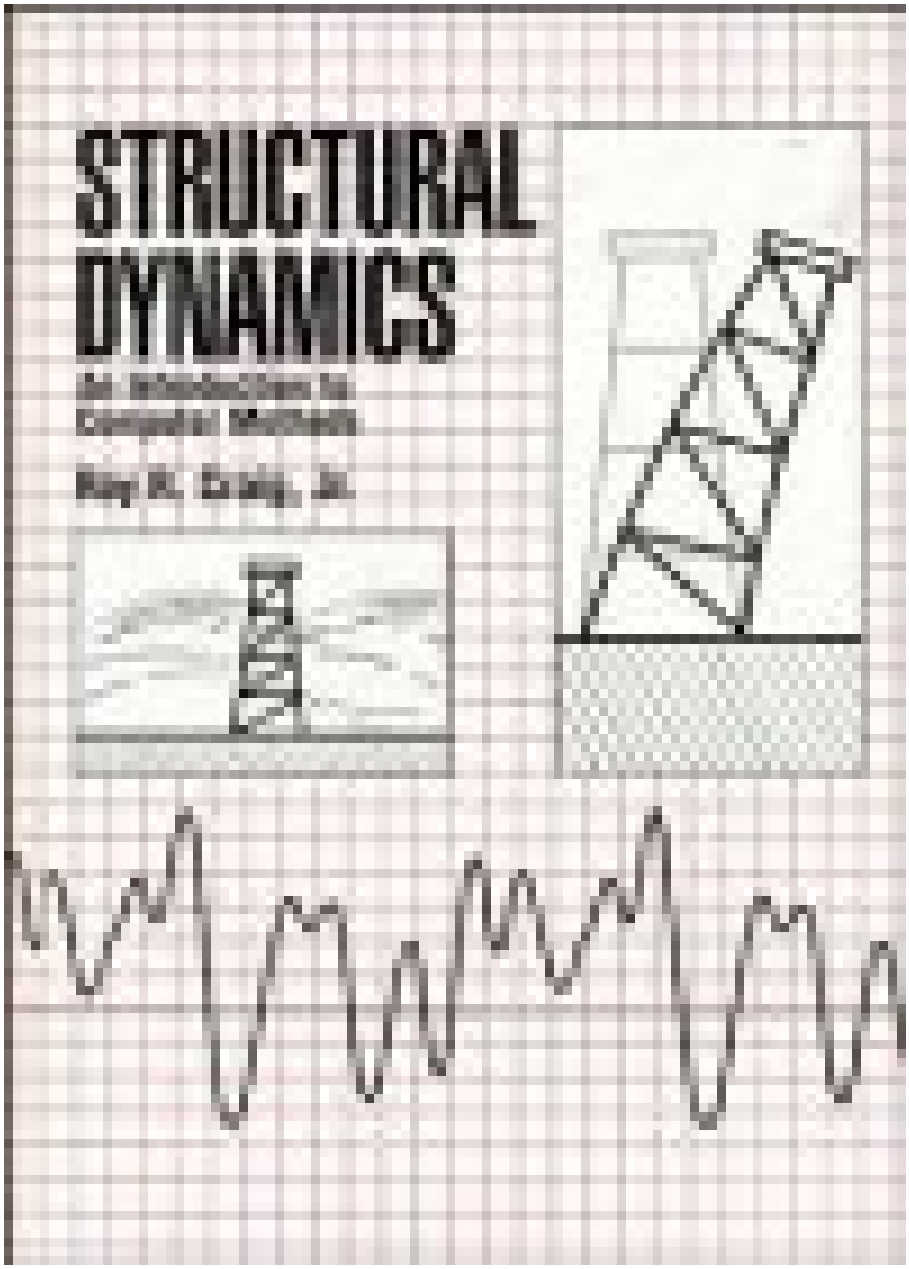

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Provides the basic material needed to use structural dynamics computer programs and to do structural dynamics testing. Introduces the numerical techniques underlying finite element computer codes through use of ``hand'' solutions and the coding of several subroutines in FORTRAN and BASIC. Emphasizes the mathematical modelling of structures and the methods for solving structural dynamics problems with a digital computer. Presents solution techniques applicable to various engineering disciplines.

From the Inside Flap
While retaining much material covered in classical texts on structural dynamics and vibrations, this text emphasizes the mathematical modelling of structures and the methods for solving structural dynamics problems with a digital computer. Using a systematic approach, it thoroughly reviews the basic principles of structural dynamics, presenting solution techniques that apply to various engineering disciplines. The book specifically features:

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- Sales Rank: #765959 in Books
- Published on: 1981-08-19
- Original language: English
- Number of items: 1
- Dimensions: 9.09" h x 1.20" w x 6.67" l, .0 pounds
- Binding: Hardcover
- 544 pages

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