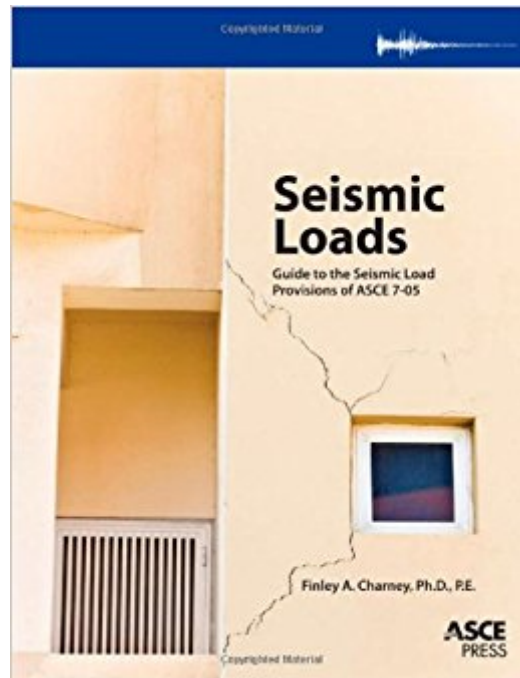


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Seismic Loads: Guide To The Seismic Load Provisions Of ASCE 7-05



Synopsis

Seismic Loads: Guide to the Seismic Load Provisions of ASCE 7-05 provides authoritative explanations of the seismic provisions offered in Minimum Design Loads for Buildings and Other Structures, ASCE/SEI 7-05. With clear, concise language Seismic Loads illustrates the key concepts and guides structural engineers in applying the most current thinking in this rapidly changing discipline into the design of new structures. The book offers more than 20 detailed examples that analyze specific provisions of the standard and demonstrate the application of the provision in evaluating the seismic loading requirements for building structures. The examples guide structural engineers through the process of assessing conditions such as: identifying occupancy, importance, and seismic design categories, selecting a structural system, and analyzing the seismic requirements. Topics include building irregularities, structural analysis, system forces, and load factors, as well as drift and P-delta effects. Seismic Loads includes a frequently asked questions section and three appendixes with supplementary material.

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