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**Sinopsis**

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THIS MULTI-CONTRIBUTOR BOOK PROVIDES COMPREHENSIVE COVERAGE OF EARTHQUAKE ENGINEERING PROBLEMS, AN OVERVIEW OF TRADITIONAL METHODS, AND THE SCIENTIFIC BACKGROUND ON RECENT DEVELOPMENTS. IT DISCUSSES COMPUTER METHODS ON STRUCTURAL ANALYSIS AND PROVIDES ACCESS TO THE RECENT DESIGN METHODOLOGIES AND SERVES AS A REFERENCE FOR BOTH PROFESSIONALS AND RESEARCHERS INVOLVED IN EARTHQUAKE ENGINEERING. WITH AN ENTIRE CHAPTER DEDICATED TO SEISMIC RESISTANT DESIGN THROUGH SUPPLEMENTAL DAMPING AND STRUCTURAL CONTROL, THIS VOLUME INCLUDES IMPORTANT ADVANCES IN THE CHARACTERISTICS OF EARTHQUAKE GROUND MOTIONS, BEHAVIOR AND DESIGN OF STRUCTURES, SEISMIC DESIGN OF NON-STRUCTURAL SYSTEMS, AND MORE.