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Seismic Analysis and Design of Building Structures

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This reprint synthesizes contemporary advancements in seismic analysis and design methodologies for civil infrastructures, encompassing buildings, bridges, and associated structural systems. The contributions compiled herein address a spectrum of cutting-edge topics, including base isolation systems, energy dissipation dampers, soil-structure interaction, and corrosion-induced degradation. Methodologically, the studies employ multidisciplinary approaches spanning theoretical frameworks, finite element-based numerical simulations, and experimental investigations under quasi-static and shaking table testing.

