Record Nr. UNINA9910781938703321 Structural damping: applications in seismic response modification // **Titolo** Zach Liang. [et al.] Pubbl/distr/stampa Boca Raton:,: CRC Press,, 2012 **ISBN** 0-429-09343-8 1-280-12167-X 9786613525536 1-4398-1583-6 Descrizione fisica 1 online resource (577 p.) Collana Advances in earthquake engineering Altri autori (Persone) LiangZach Disciplina 624.1/762 Soggetti Earthquake resistant design Damping (Mechanics) Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali A CRC title. Nota di bibliografia Includes bibliographical references. Nota di contenuto pt. 1. Vibration systems -- pt. 2. Principles and guidelines for damping control -- pt. 3. Design of supplemental damping. Sommario/riassunto Rapid advances have been made during the past few decades in earthquake response modification technologies for structures, most notably in base isolation and energy dissipation systems. Many practical applications of various dampers can be found worldwide and, in the United States, damper design has been included in building codes. The current design process is simple and useful for adding supplemental damping up to a reasonable level-but it is not as useful with higher levels of damping. Taking a different approach, Structural

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