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Altri autori (Persone)	LavanOren De StefanoMario
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Note generali	"State-of-the-art version of paper presented at the 6th European Workshop on the Seismic Behaviour and Design of Irregular and Complex Civil Structures, held under the auspices of Task Group 8 (TG8) of the European Association for Earthquake Engineering in Haifa at the Technion-Israel Institute of Technology during September 2011" --Pref.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	From the Contents: Introduction - State of the art -- Strain and rotation seismic waves -- An investigation of an external impact conversion into the strained rotation inside ancient boulder structures (Solovky islands, White Sea) -- Numerical analysis of seismic ground rotations from the wave passage effects -- Effect of angle of incidence of seismic waves on the inelastic dynamic response of irregular R/C structures -- Impact of seismic rotational components on symmetric structures -- The effect of common irregularities on the seismic performance of existing RC framed buildings -- Influence of the variability of concrete mechanical properties on the seismic response of existing RC framed structures -- Seismic response of irregular industrial steel buildings.
Sommario/riassunto	Structural irregularities are one of the most frequent causes of severe damages in buildings, as evidenced by the numerous earthquakes in recent years. This issue is of particular importance, since real structures are almost all irregular. Furthermore, structural irregularities depend on several factors often very difficult to predict. This book is an

essential tool for understanding the problem of structural irregularities and provides the most up-to-date review on this topic, covering the aspects of ground rotations, analysis, design, control and monitoring of irregular structures. It includes 24 contributions from authors of 13 countries, giving a complete and international view of the problem. .

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