

عنوان مقاله:

Multi- Storey Buildings Behavior under Seismic Ground Motion using MAPA Method

محل انتشار:

هشتمین کنگره بین المللی مهندسی عمران (سال: 1388)

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خلاصه مقاله:

The innovative Modal Adaptive Pushover Analysis (MAPA) procedure of asymmetric building systems under seismic ground motions is proposed. In this study the MAPA are extended to two-way asymmetric buildings simultaneously excited by two horizontal components of ground motion using adapted DRAIN- 3DX computer program. An asymmetric Multi-story building is analyzed by MAPA procedure. The analytical results are compared with those obtained from nonlinear response history analysis (RHA). When the RHA results are taken as reference, it is seen .that the proposed method is capable of estimating the seismic response of frame buildings

کلمات کلیدی:

Load increment method, Capacity curve, Seismic demand, inelastic spectra

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