

## عنوان مقاله:

Evaluation of current pushover procedures for bi-axial asymmetric buildings under bi-directional excitation

## محل انتشار:

سومین کنفرانس ملی زلزله و سازه (سال: 1391)

تعداد صفحات اصل مقاله: 10

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## خلاصه مقاله:

Assessment of different nonlinear static procedures (NSP) on estimation of seismic demands of threedimensional buildings with bi-axial eccentricity in plan subjected to two components of ground motion is investigated. Their estimates are compared to the exact results, obtained from nonlinear time historyanalysis. The selected procedures are: extended N2, modal pushover analyses (MPA), modified MPA (MMPA), practical MPA (PMPA), Multimode pushover and response spectnun analysis (RSA) extended to bi-directional excitation. A three-story asymmetric building subjected to different bidirectionalexcitations is considered. It is demonstrated that the accuracy of the aforementioned procedures results depends on the type of considered ground motions

## کلمات کلیدی:

3D NSP, nonlinear analysis, bi-axial eccentricity, bi-directional excitation, modal, torque

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/184595>

