

## عنوان مقاله:

The Accuracy of Advanced Pushover Analysis Methods in Estimating of Seismic Responses of Steel Moment Frames

## محل انتشار:

پنجمین کنفرانس ملی و اولین کنفرانس بین المللی سازه و فولاد (سال: 1393)

تعداد صفحات اصل مقاله: 9

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## خلاصه مقاله:

In recently years, researchers in order to eliminate the shortcomings of traditional push over analysis have presented different advance push over analysis methods. These analysis methods import factors such as higher mode effect, interaction of modes, changes of structural stiffness during analysis and etc, in analysis which don't exist in traditional push over analysis. In this study to peruse accuracy of advanced push over analysis methods in estimating of seismic responses of steel moment frame structures, the results of two different advanced push over analysis have been compared with the results of nonlinear time history analysis. By evaluating the results of these comparisons, this result has been obtained which advanced push over analysis that have been used in this study, haven't good performance in estimation of drift angle response of steel moment frames that is important parameter in structural damage. Also, these analysis methods in estimation of story shear response had weak performance and the responses of them were unacceptable.

## کلمات کلیدی:

pushover analysis, nonlinear time history analysis, shear story, drift angle

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/401361>

