

## عنوان مقاله:

Effective Parameter in Panel zone Behavior in order to Estimate the Seismic Response of Steel Moment Frame

## محل انتشار:

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

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## خلاصه مقاله:

One of the most important parameter in the response of steel momentframes (SMF) under earthquake excitation is panel zone. Panel zone is notconsidered in many conventional analyses of steel moment frames that inmany cases lead to misleading results of seismic response of structures. Inthis study, time history analysis is conducted to account for effects of panelzone on seismic responses of steel moment frames. The results show thatpanel zone region can behave differently in steel moment frame with heightchanges. For example, in short steel moment frame structures it is notnecessary to consider the effect of panel zone in analysis. While, inmedium and tall moment steel frame structures the panel zone effect mustbe considered in analyses. This is highly due to the fact that by increase ofthe .structure height and rigidity of its connections, the panel zone affectsthe structural responses

## کلمات کلیدی:

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

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/401360>

