

عنوان مقاله:

INVESTIGATION OF ECCENTRICALLY BRACED FRAME BY PSEUDO-DYNAMIC TEST

محل انتشار:

اولین کنفرانس بین المللی زلزله شناسی و مهندسی زلزله (سال: 1370)

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نویسنده:

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خلاصه مقاله:

The behaviour of an eccentrically braced frame was investigated by the pseudo-dynamic test. El Centro ۱۹۴۰ NS earthquake record was chosen as the excitation. This relatively new experimental technique is briefly introduced. The design criteria for the test frame are presented. The elastic dynamic response and the elasto-plastic dynamic response of the test frame is compared with. Under the dynamic loading the eccentrically braced frame designed to yield in shear has large energy dissipation capacity without any pinching in the hysteresis loops. Under large plastic deflection, the horizontal load carrying capacity of the eccentrically braced frame increases continually without deterioration in strength. These characteristics make the eccentrically braced frame become an ideal seismic resistance structure

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1283802>

