عنوان مقاله:

Comparison of single-objective and multi-objective optimization using genetic algorithm in slip load distribution of friction dampers in building structures

محل انتشار:

تعداد صفحات اصل مقاله: 7

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خلاصه مقاله:

in this paper optimum slip load distribution of friction dampers installed on braces of a 2- dimensiona 10- storey stel shear frame is investigated the equation of motion of structure subjected to several earthquake records is solved using new marks method the amounts of slip oad of dampers are optimized over the frames heigh using the single objective genetic algorithm and the fast and elitist multi objective genetic algorithm.

کلمات کلیدی:

vibration control,friction damper, slip load,single objective genetic algorithm,multi objective genetic algorithm

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