

عنوان مقاله:

Design Earthquake Based on Deaggregation of Seismic Hazard

محل انتشار:

هشتمین کنگره بین المللی مهندسی عمران (سال: 1388)

تعداد صفحات اصل مقاله: 7

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خلاصه مقاله:

The disadvantage of probabilistic seismic hazard analysis is that the concept of a "design earthquake" is lost; i.e. there is no single event that for design or retrofit. The relative contributions of the various sources to the total seismic hazard are determined as a function of their occurrence rates and their ground-motion potential. This study describes a method wherein a design earthquake can be obtained that accurately represents the uniform Fourier hazard spectrum from a PSHA. If different seismic sources dominate the hazard at different frequencies, then contributions to the hazard come from significantly different magnitudes, distances, and ϵ 's. In this case, a single design earthquake is .not appropriate and it is necessary to represent design earthquake for short and long periods

کلمات کلیدی:

Design spectra, Probabilistic, Hazard

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