

عنوان مقاله:

PROBABILISTIC PEAK GROUND ACCELERATION MAP OF PERU

محل انتشار:

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

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خلاصه مقاله:

This paper presents a map of Peru showing peak ground acceleration (PGA) values with a 10 percent probability of exceedance for a 50 year time period. The probabilistic PGA map for Peru and adjacent areas may be used as a reference by designers and engineers to obtain the primary input for quantifying seismic loads needed for the effective design of structures. The study was based on the historical database for earthquakes that have affected Peru during the past 90 years. The attenuation relationship, used for this study, is based on the relationship proposed by Krinitzky [1] for subduction zone earthquakes. This was found to be the most appropriate upon comparison with recorded strong motion data from six earthquakes within the study area. The probabilistic PGA values were calculated using the classical methods proposed by Cornell and Merz [2], McGuire [3] and Yegian [4].

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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