

عنوان مقاله:

Determination of Structural Fragility Curves of buildings with Hazus methodology for Seismic risk Assessment in the city of Semnan, Iran

محل انتشار:

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خلاصه مقاله:

In this paper, structural fragility curves developed via Hazus methodology for estimation of seismic risk assessment in the city of Semnan, Iran. Model building type chose according to FEMA-178 that provided in Hazus method. For determination of structural fragility curves, required parameters obtained from study ward and some of governmental reports. Due to limitations in the application of the Hazus software, Hazus methodology just used to develop fragility curves. Obtained fragility curves shows model building types are vulnerable to slight damage and least vulnerable to complete damage in each of design level code in study area of Semnan. But there are some of unexpected results exist in pre code design level between slight and moderate damage state that needs more investigation. Logic results shows Hazus methodology can utilize for seismic risk assessment in study ward of Semnan and fragility curves could obtain good results for various situations

کلمات کلیدی:

Earthquake, Seismic risk assessment, Hazus, Fragility curve

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