

## عنوان مقاله:

STRONG GROUND MOTION PREDICTION FOR LARGE EARTHQUAKE BASED ON FINITE FAULT MODELING IN  
KARAJ, IRAN

## محل انتشار:

اولین کنفرانس بین المللی ساخت ساز شهری در مجاورت گسل های فعال (سال: 1390)

تعداد صفحات اصل مقاله: 7

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## خلاصه مقاله:

The main purpose of this study is to predict ground motions from future large earthquake for karaj city the capital of alborz province of iran . This city is an industrialized city having over one million populations and located on near several active faults . in this study finite fault modeling with a dynamic corner frequency has adopted for simulation of future large earthquake. target fault is north tehran fault with the length of 110 km and rupture of west part of the fault which is closest to karaj assumed for this simulation for severe rupture starting points acceleration time series are predicted. peak ground accelerations for those are vary from 423 cm/s<sup>2</sup> to 584 cm/s<sup>2</sup> which is in the range of rubber .earthquake with the same soil characteristics and a bit of further hypocentral distance

## کلمات کلیدی:

.strong ground motion prediction , finite fault modeling , karaj, north tehran fault

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/119410>

