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SEISMIC HAZARD MAPS FOR SEATTLE, WASHINGTON, INCORPORATING 3D SEDIMENTARY BASIN EFFECTS, NONLINEAR SITE RESPONSE, AND RUPTURE DIRECTIVITY: OPEN-FILE REPORT 2007-1175



Seismic Hazard Maps for Seattle, Washington, Incorporating 3D Sedimentary Basin Effects, Nonlinear Site Response, and Rupture Directivity: Open-File Report 2007-1175

U.S. Department of the Interior, United States Geological Survey (USGS), et al., Arthur D. Frankel

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English. Brand New Book ***** Print on Demand *****.This report presents probabilistic seismic hazard maps for Seattle, Washington, based on over 500 3D simulations of ground motions from scenario earthquakes. These maps include 3D sedimentary basin effects and rupture directivity. Nonlinear site response for soft-soil sites of fill and alluvium was also applied in the maps. The report describes the methodology for incorporating source and site...

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- Authored by Arthur D Frankel
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