

Site-specific strong ground motion prediction for buildings in Nagoya region : Scenario earthquakes

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Five scenario earthquakes are selected for strong ground motion prediction in Nagoya region by considering the following two aspects: one is the characteristics of seismic activity in and around Nagoya city estimated from the past disastrous earthquakes and active faults; the other is the results of the analyses of probabilistic scenario earthquakes. The selected scenario earthquakes are an great inter-plate earthquake along the Nankai Traph, three intra-plate earthquakes related to three active faults, and an earthquake based on the background seismicity, not related to the known active faults, in this region. The three active faults are the Yoro-Kuwana fault, the Isewan fault that we suppose to interlock with the Utsumi fault, and the Sanageyama-Kita fault.