

Anomalous distribution of seismic intensity for the earthquake beneath the Kanto Plain

Hiroyuki Takeuchi[1]; Takashi Furumura[1]

[1] ERI, Univ. Tokyo

To research the distribution of seismic intensity by medium and small earthquakes is important for forecasting the distribution of seismic intensity and the damage by large earthquake. I research distributions of seismic intensity by late earthquakes.

In the earthquake which occurred on July 24, 2005 (Depth is about 70km, Magnitude is 4.4), the distribution of seismic intensity spreads to the west side of the earthquake center. A seismic intensity was 4 near the earthquake center, but the earthquake recorder in Yokohama recorded the max earthquake intensity was 5. This distribution of seismic intensity is known. I think that the inelastic structure under the Kanto Plain cause for this distribution. There are distribution cases like this before.