

Forecasting seismicity after the Tohoku-Oki earthquake

OGATA, Yosihiko^{1*}

¹The Institute of Statistical Mathematics, ²Earthquake Research Institute, University of Tokyo

It has been four years since the 2011 Tohoku-Oki earthquake of M9.0 occurred. This giant event affects very largely on the current and future seismicity in and around Japan. In this occasion, I would like to discuss on various aspects of the forecasts the future seismicity. Further talk will be made on my planning of deepening statistical models for predicting finer future seismicity.

Keywords: Probability forecast, ETAS models, Triggering seismicity, Space-time ETAS model, Magnitude distributions, Earthquake detection rates