

## Statistical Analysis of Daily Periodicity of Earthquakes in and near Japan

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The result of the statistical analysis of earthquakes with greater than and equal to M4 in and near Japan through 1923-June,2005 shows the following results.

The earthquakes occurred more frequently during the night time between 18:00-6:00 than during the day time between 6:00-18:00. The number of grids (each 1 degree) where earthquakes occurred more frequently during 18:00-6:00 is larger than the number of grids where earthquakes occurred during 6:00-18:00.

The earthquakes of more than and equal to M5,6,7, respectively, occurred more frequently during the night time between 18:00-6:00.

The binominal distribution was assumed in this statistical analysis.