

## Earthquake prediction by Electric magnetic wave

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This research detects a presage phenomenon by earthquake and done Electric magnetic wave radiation, and to assume that earthquake prediction is possible, Electric magnetic wave radiation observation by an earthquake presage is performed and seismic magnitude and an area in the epicenter are predicted the signal strength from a relation of duration and data in the radiation direction. A presage phenomenon with earthquake is caught.

The Electric magnetic wave radiation measurement generates at space, I'm doing every second record of the signal strength by 2 receivers. An antenna is used for judgment of area specification using omni-directional and a directivity antenna. I judge as signal intensity data including thunderbolt data, the ionosphere data and solar activity data, etc. and decide as a presage of an earthquake. It's confirmed whether the phenomenon which occurred to the time of an eastern Japan great earthquake is detected.

It was possible to catch a presage of the big earthquake which occurred at Miyagi, Fukushima and Ibaraki during March 20 from February 13, 2021. I resembled a signal fluctuation of an eastern Japan great earthquake of 2011/3 closely, and time signal-less reference signal level was also fluctuating. There was also little fluctuation range by a short time for reduced level. When shaking isn't felt big by an observation point, this phenomenon is also the phenomenon which doesn't show.

This research would like to increase an observation point and elucidate a mechanism of occurrence.

Keywords: earthquake, prediction, Electric magnetic wave radiation