

An ultimate earthquake precursor

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In this paper, we introduce a concept of an ultimate precursor, where a probability or a hazard rate of a seismicity model is considered as one of precursory parameters such as the number of events or the Gutenberg-Richter b -value. This enables us to build a single seismicity model based on different types of seismicity models. Here, the procedure proposed by Imoto (2007) could be applied after appropriate transformations of hazard rate into normal functions. A practical example of ultimate precursors can be seen in the seismicity model of moderate earthquakes in Kanto, central Japan.