

S049-P009

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Probabilistic estimation by normal distribution model - earthquakes off Kamaishi -

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Even if a normal distribution is adopted for earthquake interval times, the interval between the last characteristic earthquake and the future one follows t-distribution with freedom of $N-4$, due to uncertainties of parameters on condition that the prior distribution is independent from mean and variance. Here, N is the number of past events. Using the data on the occurrence date of the characteristic events off Kamaishi-city, the time interval for the next event is estimated with 90% from November 2005 through April 2009.