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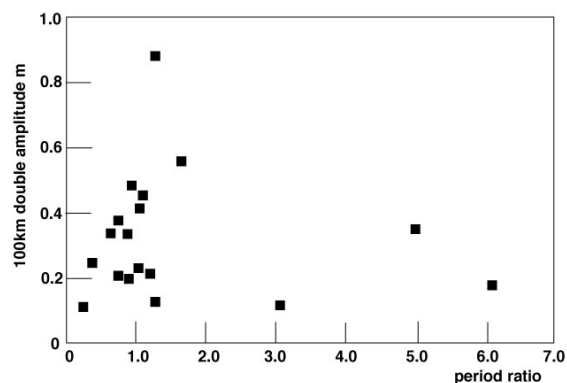
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## Resonance curve of initial waves in the 2010 Chichijima-kinkai tsunami

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We derived a resonance curve of tsunami initial wave in the 2010 Chichijima-kinkai earthquake tsunami. The data was taken from tide-gauge records of 23 tide stations in Japan. The period and amplitude were used in the records from which the tidal levels were excluded. The resonance curve consists of double amplitude reduced at 100 km in the epicentral distance and period ratio of the initial wave to the dominant period of seiche having been observed in the neighborhood of the tide station. The resonance curve showed a peak at the unit in the period ratio. This result suggests that the initial wave reflects an effect of the local topography.



Keywords: 2010 Chichijima-kinkai Earthquake Tsunami, Initial wave, Period, Resonance curve, Seiche