

Predominant periods of tsunamis observed at Owase Bay

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Sea level oscillation in a quiet sea condition was observed at Owase Bay in Japan on December 28, 2002. The spectra was compared with those of tsunamis observed at Owase tide station. The predominant period of 36 minutes was also found in that of the 1960 Chilean tsunami. This period was understood as that of fundamental mode of this bay through a numerical computation using FEM. Predominant periods between 8-18 minutes in other tsunamis are related to excitations of the higher modes.