

Wave-height Distributions along the Japanese Coast due to SE Asia and SW Pacific Area Tsunamis

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The regional deviations of tsunami heights from the average tsunami magnitude are investigated using the diagrams of wave-height attenuation with distance. For the SE Asia, New Guinea and Mariana tsunamis, tsunami heights in West Japan are relatively high comparing with distance. It suggests the effective tsunami energy propagating along the trench trapped from the Kanto to Shikoku districts. On the country, tsunami heights along the Okinawa Is always are small, suggesting most of the tsunami energy pass through the East China Sea. Wave-heights of tsunamis generated in the Solomon-New Hebrides region normally decrease toward Japan.

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