

Real-time Prediction Method of Tsunami Inundation for a Railway Line

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To evaluate the influence of tsunami on a railway and take measures of the evacuation, it is necessary to predict tsunami inundation depth of railway facilities. Therefore, author developed a real-time prediction method of tsunami inundation for a railway line, immediately after a large earthquake occurs in the sea area. At first, this method predicts the tsunami water level in the coast, using tsunami water level in the sea and the tsunami propagation function. Secondary, the method predicts the tsunami inundation for the target railway line, using the database of tsunami inundation for scenario earthquakes created in advance.