

## AOB Seminar

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場 所: 地震・噴火予知研究観測センター 第二会議室

講演題目: Simulation of distant tsunami propagation with a radial loading deformation effect

A simple parameterization of loading deformation of seafloor is incorporated into a tsunami simulation model in order to realistically calculate tsunami travel time especially at regions far from the source. The parameterization uses one scalar parameter that is optimized effectively by far-field, deep-sea records of recent giant tsunamis: the 2011 Tohoku and the 2010 Chilean tsunamis. Using this parameterization with the optimal values, the observed tsunamis are realistically simulated in both near- and far-fields. The optimal values seem equivalent for both the giant tsunamis, and are relatively smaller than those previously verified for ocean tide modeling, which is reasonable because of the shorter wavelengths of tsunamis.