

Tsunami simulation for sedimentation

Tsunami simulation for elevation and velocity to estimate the shear at bottom:
shallow water wave theory

Tsunami sedimentation of bed load, **MPM model**, and suspended load, **convection & diffusion eq.** by inputting shear stress

Sinking and pickup rate

Change the bottom from the sand conservation equation in the cell



Conservation of sedimentation

→ Depositing
→ eroding

