

# Hexahedral Mesh Generation of Crust Structure of South West Japan

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<http://www.riken.go.jp/lab-www/CHIKAKU/>

A hexahedral finite element mesh of crust structure of south-west Japan is made by using CHIKAKU modeling system and CHIKAKU MESH that were developed in RIKEN and JAERI, respectively. The Moho discontinuity, Conrad discontinuity, and upper and lower surfaces of the Philippine Sea plate are modeled as parametric surfaces by using CHIKAKU modeling system, and a 3D geometry model is generated. Then, the model is imported into CHIKAKU Mesh, which is a hexahedral mesh generator based on mapped mesh technique.