

## **Research about development of creation method of earthquake hazard map**

### **[ Point ]**

This research aimed for establishing assessment method of active fault as earthquake fault and modeling method of deep ground, in order to create earthquake motion distribution map (hazard map) with consideration to fault as well as ground structure. Therefore, study was conducted about objective scale approval method of active fault and approval method of fault that moved simultaneously by interpreting an aerial photograph, and about model creation method with the most suitable earthquake property and structure. As a result, an aerial photograph interpretation manual was summarized regarding objective approval of active fault, and a prediction method was suggested with the form of fault end as an index, as a prediction method of fault that moved simultaneously. Furthermore, impact of deep ground form as well as ground property of surface layer on amplifying characteristic was revealed regarding ground model.

Keywords: ground hazard map, active fault, aerial photograph interpretation, ground model, amplifying characteristic