

S039-P004

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Comprehensive numerical analysis using the hydrogeology structural concept model

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Based on various information gathered from boring explorations (geological investigations and permeability testing of the rock, etc.) and groundwater investigation in the field, conceptual models of hydrogeology structure of the fault and host rocks are made. From the viewpoint of hydro-geological structure of the fault gouge and rocks and those changes with the faulting, numerical analysis is carried out using the conceptual model. Causes of the change of the ground water flow with the faulting are estimated.