



The Application of Numerical Modeling in Fluid Dynamics

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Message from the Guest Editor

Dear Colleagues,

The water-passing capacity of rock fractures is much stronger than that of rock matrices, making various major projects inseparable from the help of fractures, such as the development of shale gas, the exploitation of geothermal energy, and the treatment and disposal of nuclear waste. Seepage in rock fractures is the main cause of disasters in nature (landslides and collapses) and engineering (water inrush from foundation pits, slope instability, and cavern collapse). However, the anisotropy of fracture surface morphology and fracture deformation under the action of in situ stress make water flow in rock fractures complex.

This Special Issue mainly focuses on seepage in rock fractures. It primarily focuses on numerical simulation methods in the rock fractures; numerical simulation: physical phenomena that are difficult to observe by experimental means; and theoretical formula: scientific laws under specific conditions that can provide practice guidance.

[...]

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Message from the Editor-in-Chief

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