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SCG68-P08

Room:Convention Hall



Time:May 20 13:45-15:15

## Modeling of fold-and-thrust belt by analogue experiment and simulation considering erosion

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Fold-and-thrust belt is modeled by sandbox experiment and distinct elemental method considering erosion. As a result of experiment, over burden stress variation by erosion makes an effect to the geological deformation. In the simulation we could observe that stress concentrates just before thrust occurs and stress is released by thrust's activity.

Keywords: structural deformation, fold-and-thrust belt, sandbox experiment, distinct element method, erosion, stress change