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SCG66-07

Room:201A

Time:May 24 10:30-10:45

Effects of surface erosion on fault activity in thrust-belts

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Thrust and fold-belts are uplifted by displacement of their internal thrusts, and the uplifted topography is commonly eroded. We investigate the effects of surface erosion by using analog model experiments and the distinct element numerical simulation. This study focused on the parameters that determine the amount of erosion due to 1) surface inclination and 2) inflection point of the surface inclination. Brief comparison to natural examples will also be presented.

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