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Short note

### A rough guide to limestone fault scarps

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### Abstract

The surface roughness of limestone fault scarps in central Greece is examined with the aim of relating variations in rock weathering to palaeoseismic activity. The study employs a micro-roughness meter (MRM) and a carpenter's profile gauge to collect field measurements of scarp roughness, presenting the results in terms of roughness indices which permit comparison between different height levels of a scarp. The study confirms the increasing degradation of scarps with height, thereby inferring the time-dependent evolution of fault-scarp roughness. In addition, roughness indices are found to discriminate between fault surfaces exposed during the (1981) Corinth earthquakes and those emergent prior to this event.



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