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ACOUSTIC, ELECTROMAGNETIC, NEUTRON EMISSIONS FROM FRACTURE AND EARTHQUAKES

nteri · Giuseppe Lacidogna uello *Editors* Acoustic, Electromagnetic, Neutron Emissions from Fracture and Earthquakes

Condition: New. Publisher/Verlag: Springer, Berlin | This book presents the relevant consequences of recently discovered and interdisciplinary phenomena, triggered by local mechanical instabilities. In particular, it looks at emissions from nano-scale mechanical instabilities such as fracture, turbulence, buckling and cavitation, focussing on vibrations at the TeraHertz frequency and Piezonuclear reactions. Future applications for this work could include earthquake precursors, climate change, energy production and cellular biology. A series of fracture experiments on natural rocks demonstrates that the TeraHertz vibrations are able...

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