

HOW DO EARTHQUAKE RUPTURES TURN A CORNER?

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Dynamic Shear Ruptures Encountering Interfacial Bends and Branches

Earthquake faults are often “kinked” and “jogged”. This study looks at the effect of geometry on the growth or arrest of earthquake structures. For engineering composite structures the issue is related to the catastrophic failure evolution along complex interfaces.

Rousseau and Rosakis
JGR 2004

$$V_{in} = 1.39c_s \quad V_{out} = 1.40c_s$$

$$c_s = 1310 \text{ m/s}$$

