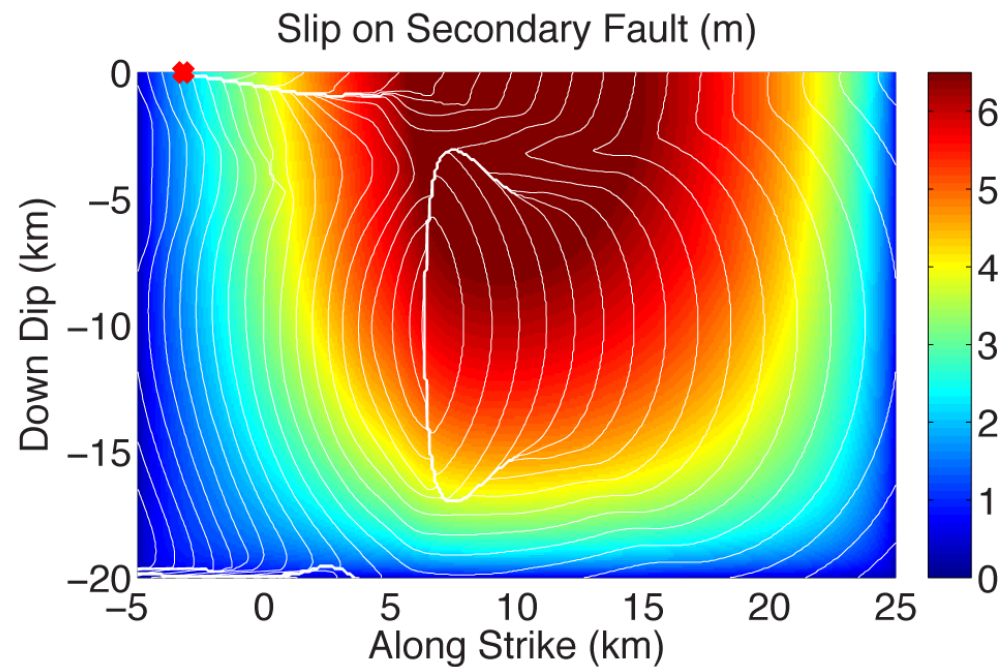


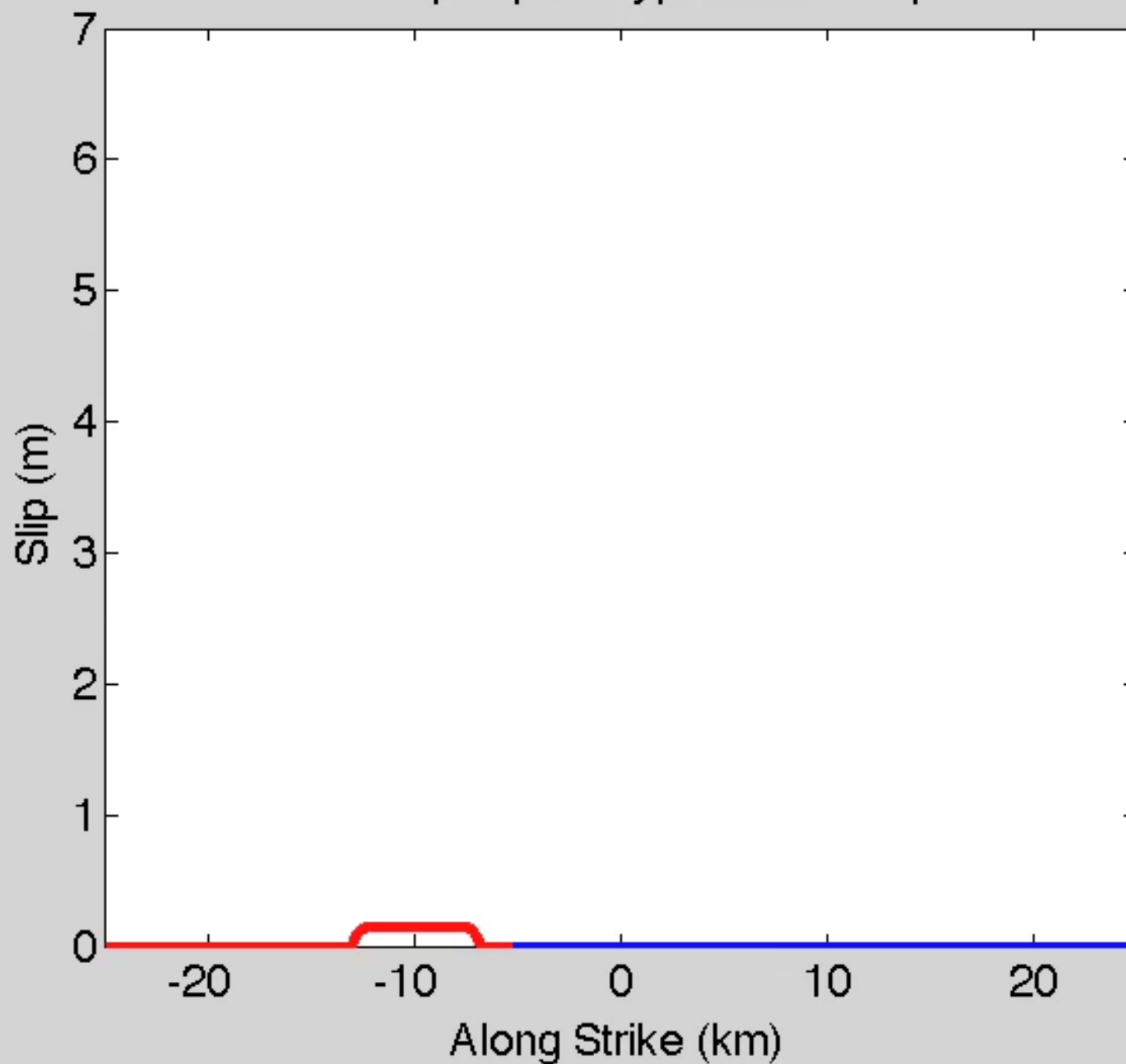
3D dynamic Model of Fault Stepoer

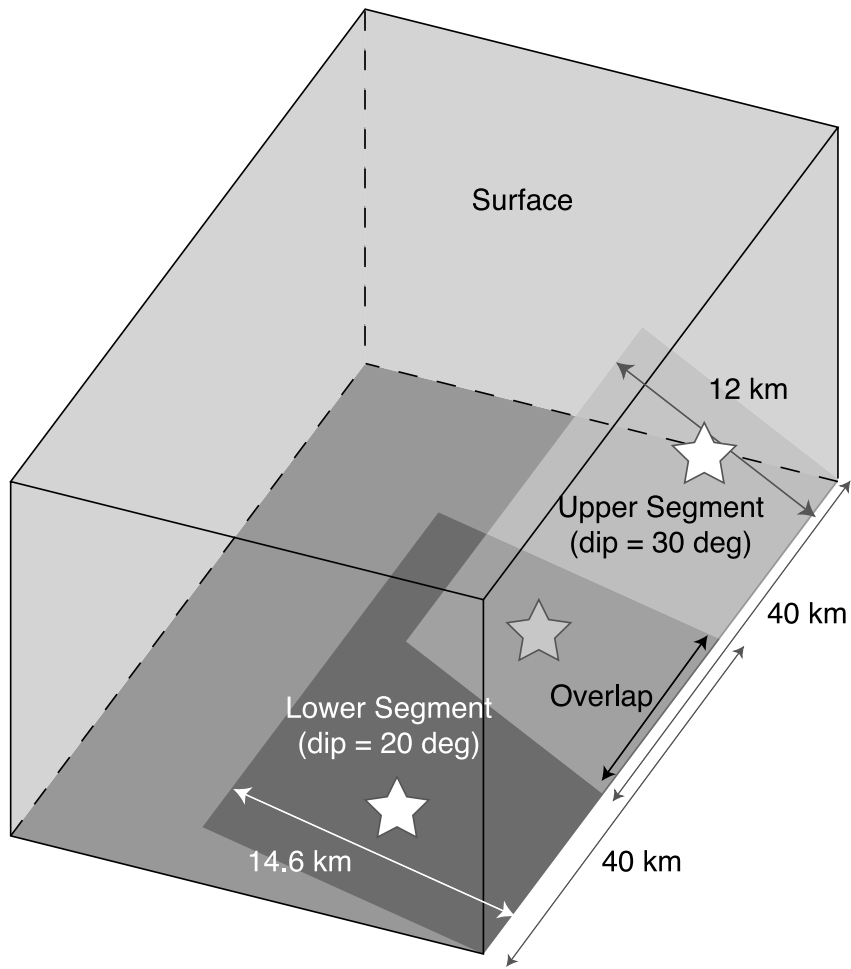
Slip and Rupture Time Contours for overlapping strike-slip segments.

Slip tends to be complementary in the overlapping region.



Strike-Slip Slip at Hypocentral Depth

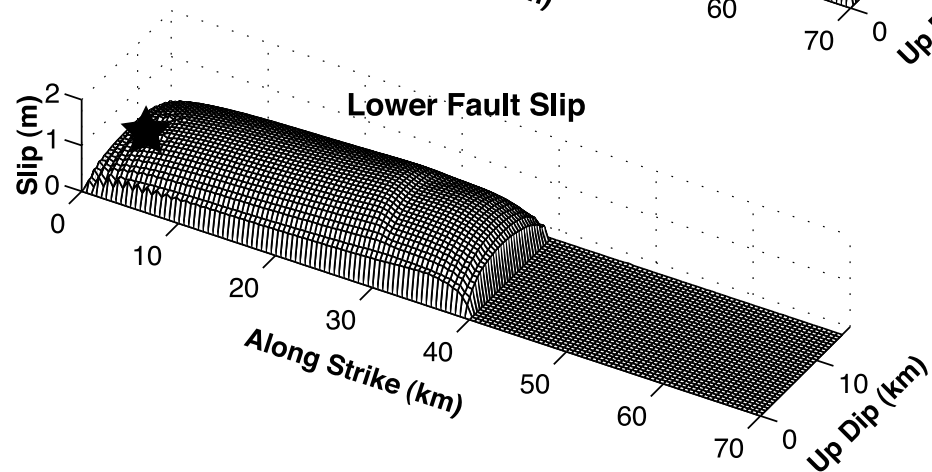
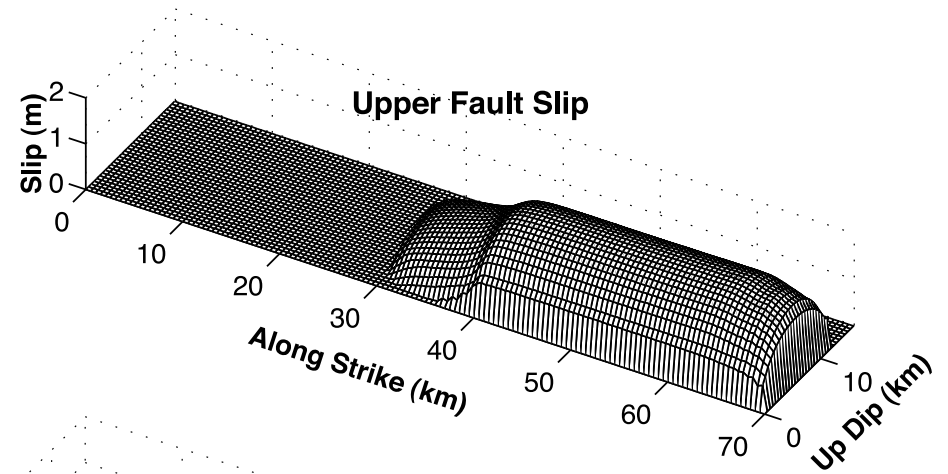


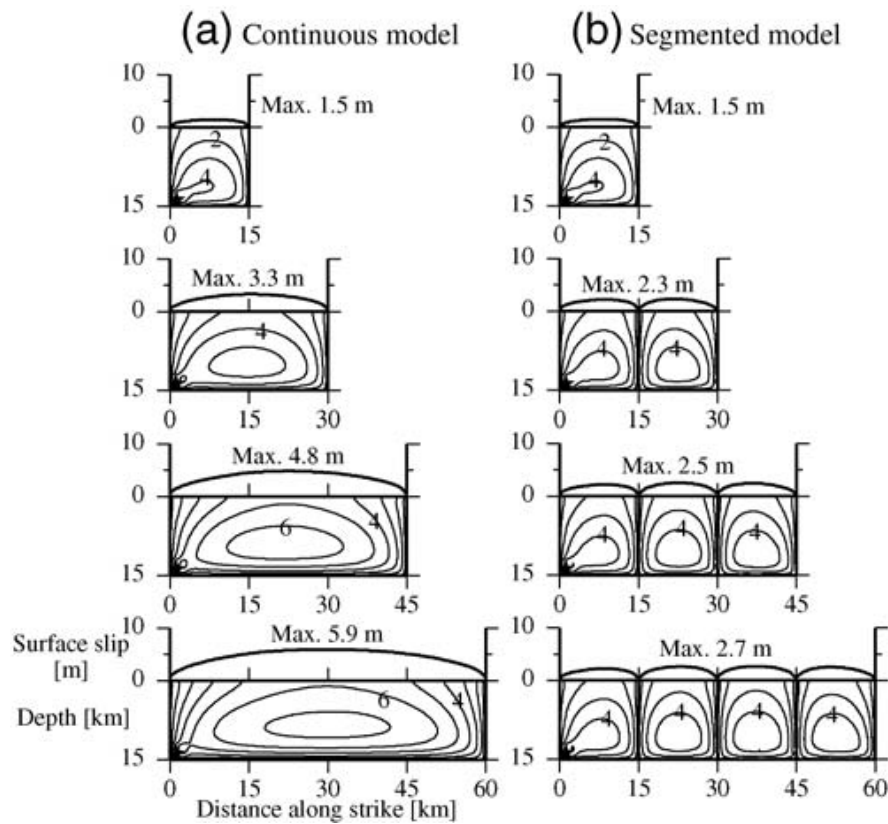


Slip on Overlapping Thrust faults that intersect at depth

The segment that slips first often experiences more of the slip.

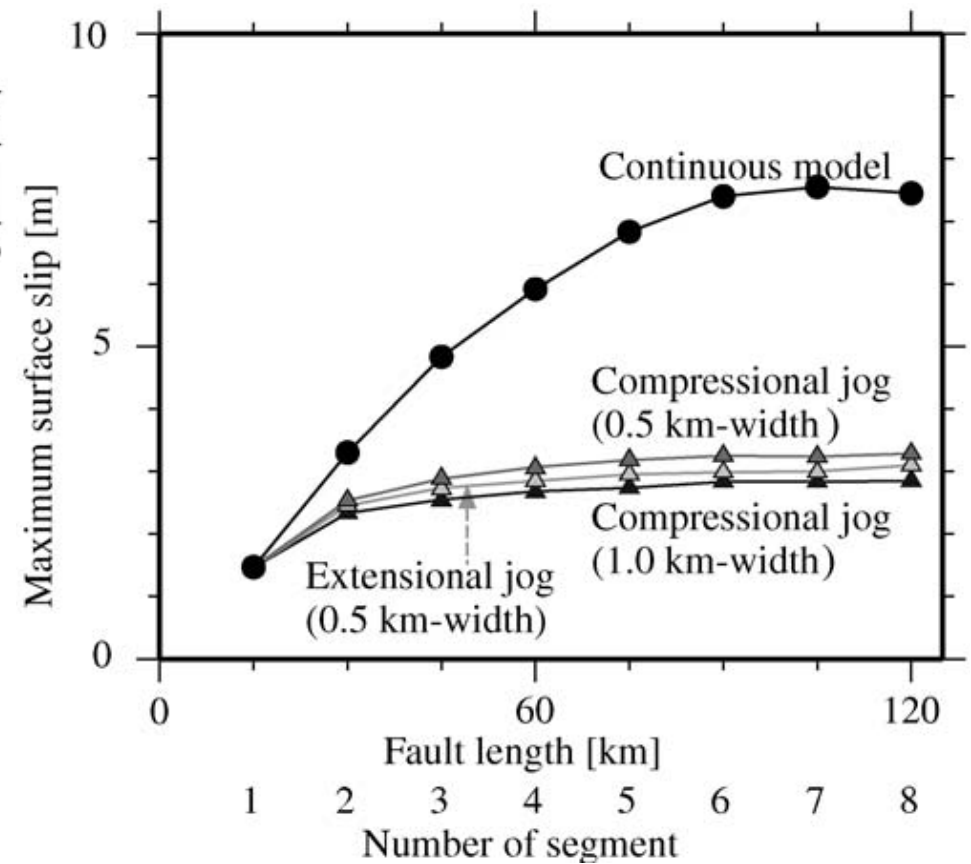
Oglesby et al., 2003



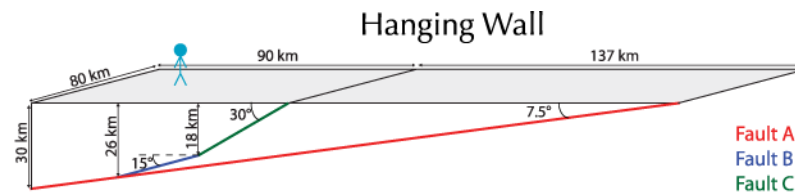


Slip Scaling with fault length saturates at a lower level for segmented faults.

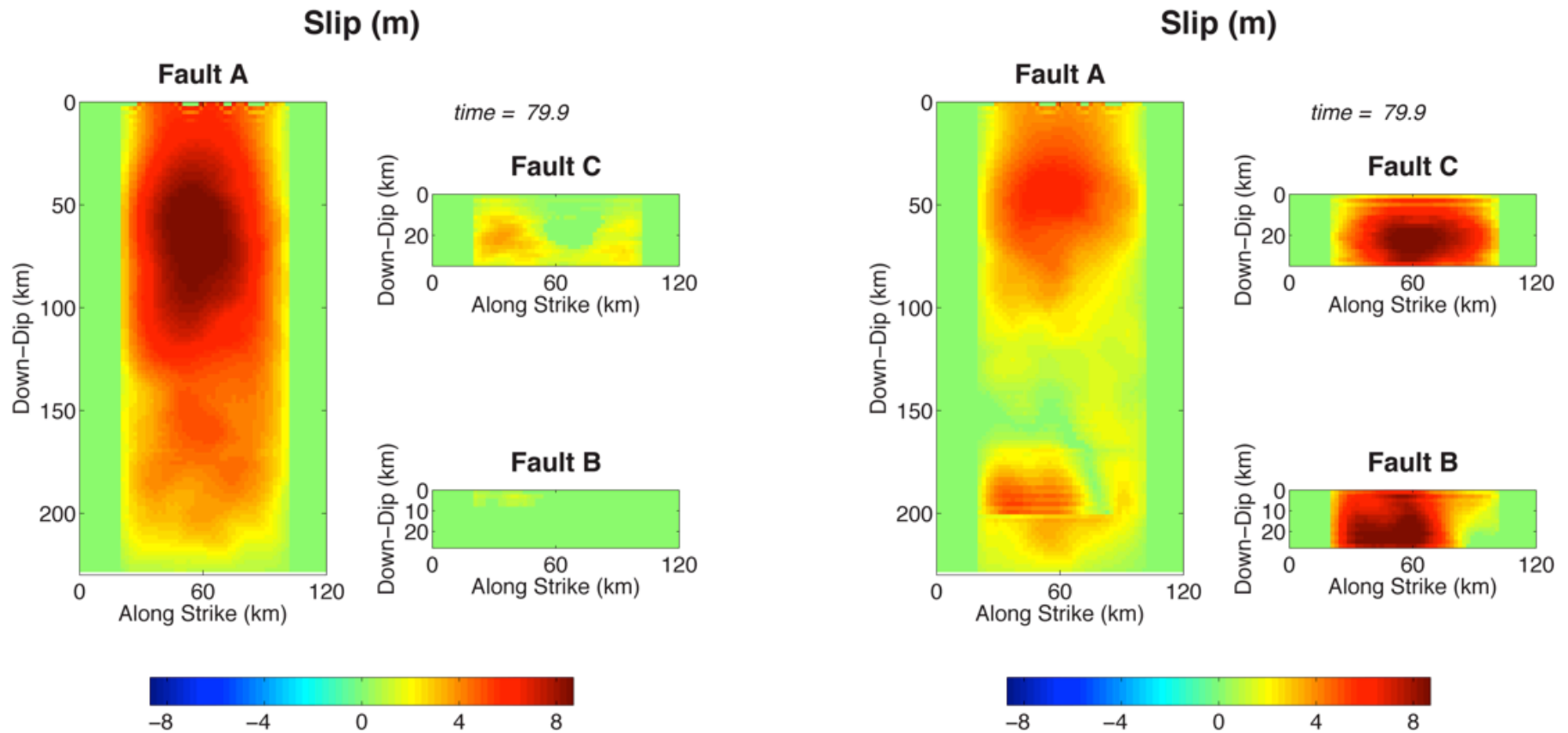
Kase, 2010



Subduction/Splay fault system with stochastic stress pattern



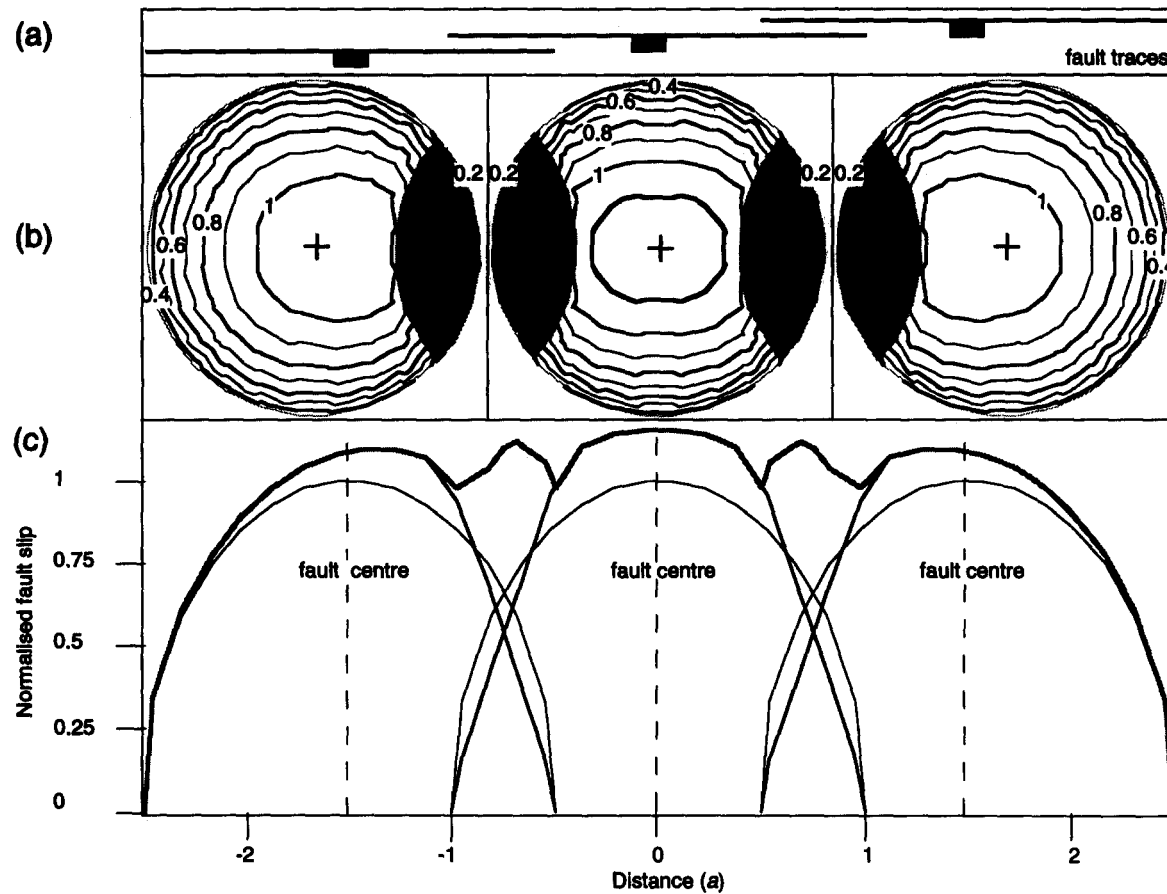
2 randomization realizations



Slip On Overlapping Fault Segments

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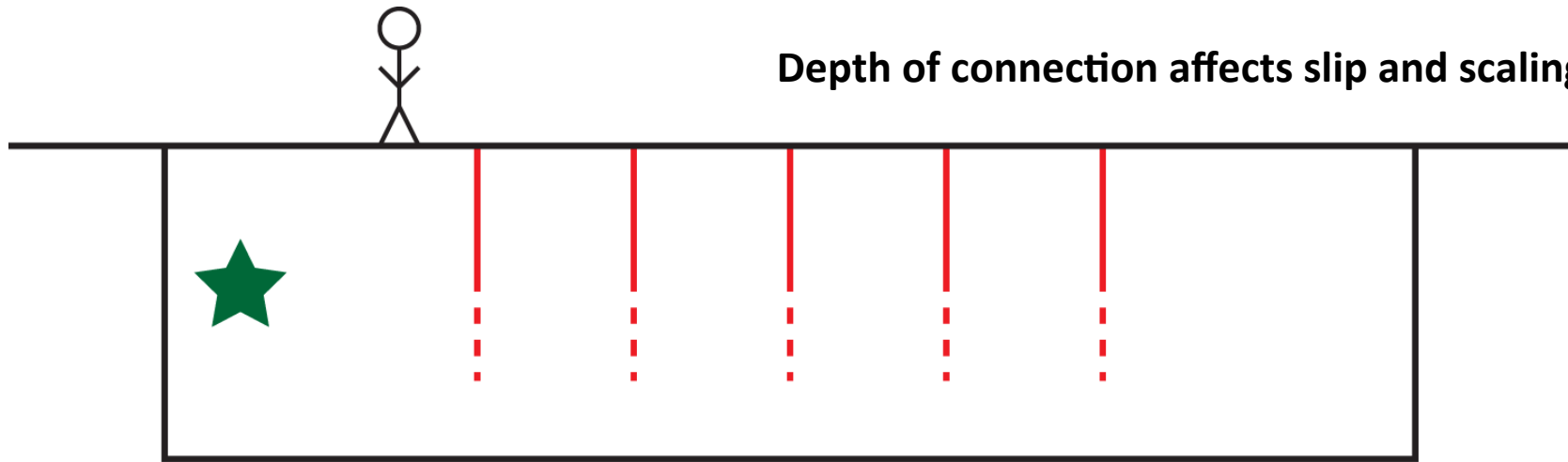
E. J. M. WILLEMSE, D. D. POLLARD and A. AYDIN



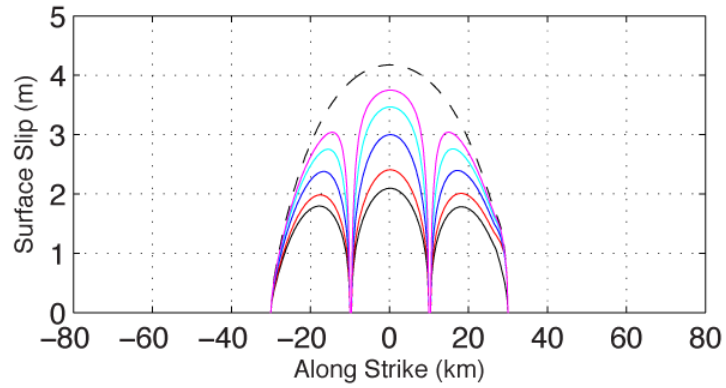
Slip on overlapping fault segments can mimic that of a single continuous fault.

Static Model of overlapping Normal Faults; Willemse et al., 1996

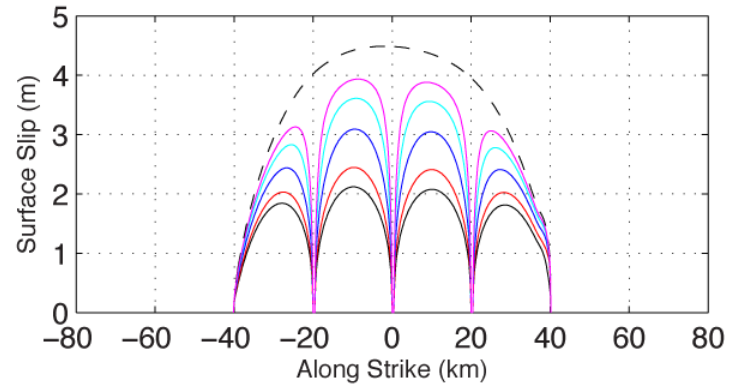
Depth of connection affects slip and scaling.



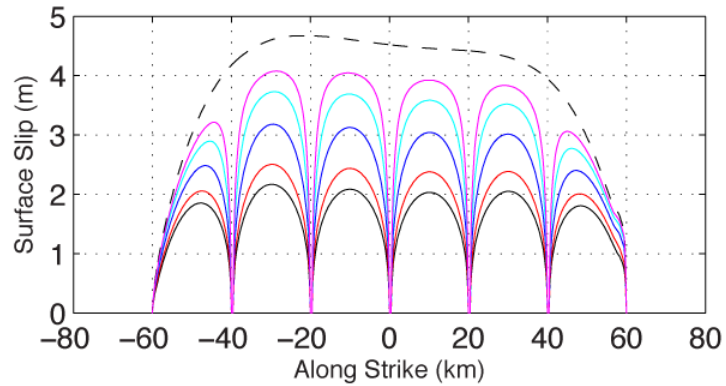
1 Interior Segment



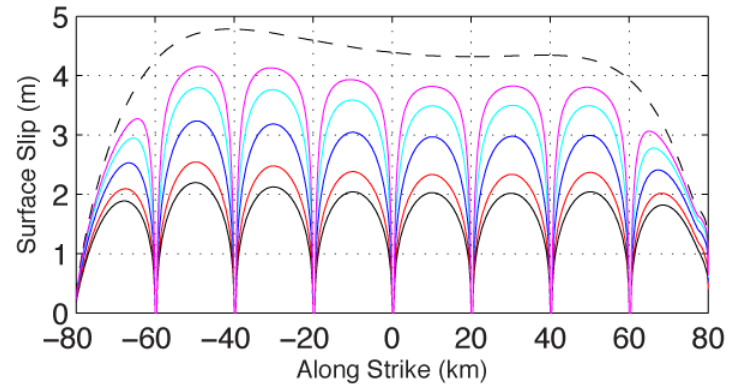
2 Interior Segments



4 Interior Segments



6 Interior Segments



Analogy: Subduction/Splay fault system with stochastic stress pattern

