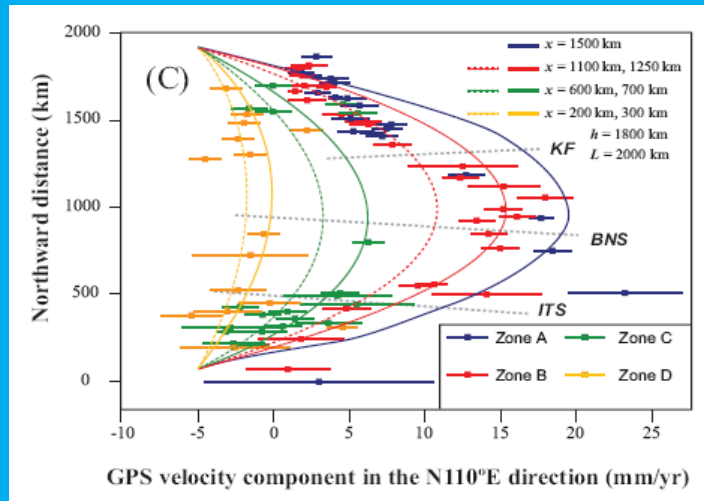


Velocity Field Associated with V-shaped Conjugate Strike-slip Faults



“Investigating the Mechanics of V-shaped Conjugate Strike-Slip Fault Systems and Implications for Hydrocarbon Exploration”

An Yin, Department of Earth and Space Sciences, UCLA

Corresponding Strain-rate Field

$$\dot{\epsilon}_{xx} = \frac{S - U_0}{Lh^2} (h^2 - 4y^2)$$

$$\dot{\epsilon}_{yy} = -\frac{V_0}{h}$$

$$\dot{\epsilon}_{xy} = -8 \frac{S - U_0}{Lh^2} xy$$

Paired Simple-Shear Model

