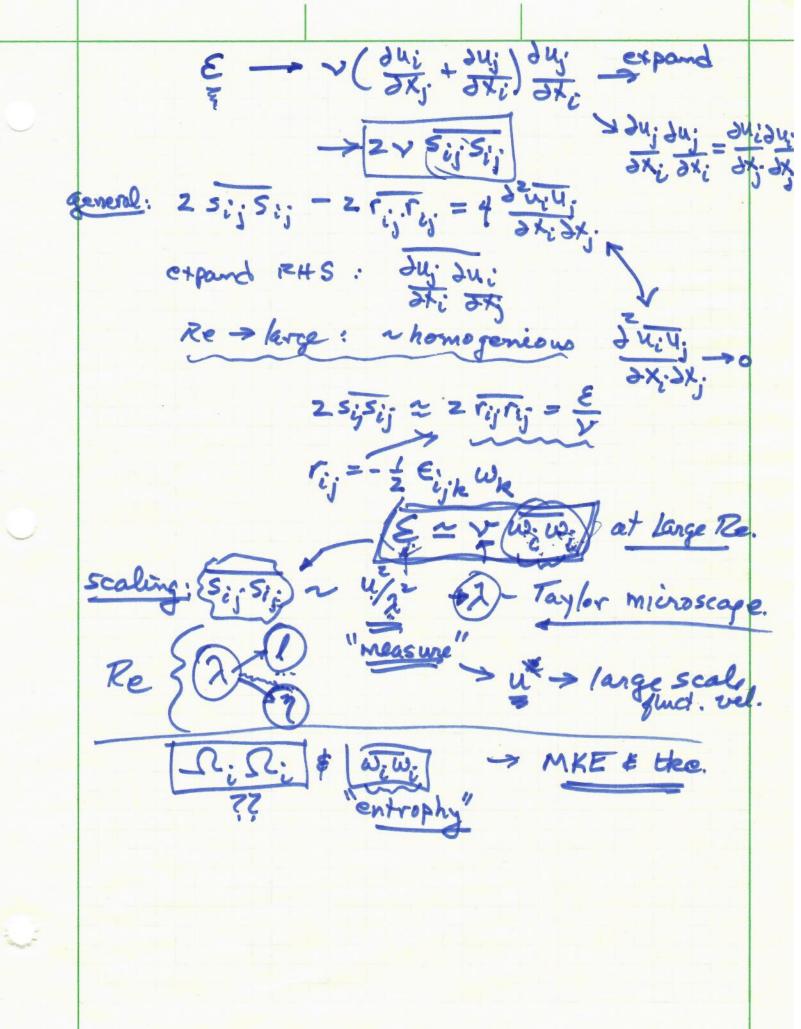


Stretching/compress:

W. du:
i=j > Vorticity in fluence



 $\frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) = -\frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1}{2} \Omega^{2} \Omega^{2} \right) + \frac{1}{2} \frac{\partial x}{\partial x} \left( \frac{1$ <u> Li si ean.</u>: Dot Li ean with si 1) Gradient Transport -> redistribution by tubulence 2 Production - opposite sign in wiw 3 Distorted by mean strain 6417/Loss Stretching/compression.

by tub. variables w. s.; viscous tomport 6) Viscour loss - 12 - We 1 +4 terms: U/3 large stale. 5,6 -> scaling ( )= /2 (1) = /2 (12) as Ret visc. terms to 586
not important in dynamics of seisti

