


# Westward Phase Propagation

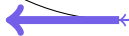

$$u_{\text{north}} = -\frac{g}{f(y+\delta y)} \frac{\partial \eta}{\partial y} < u_{\text{south}}$$

Convergence of fluid  
 $\therefore \frac{\partial h}{\partial t} > 0$

Divergence of fluid  
 $\therefore \frac{\partial h}{\partial t} < 0$

High  $\eta$

Medium  $\eta$


$$u_{\text{south}} = -\frac{g}{f(y)} \frac{\partial \eta}{\partial y} > u_{\text{north}}$$

Low  $\eta$