


Westward Phase Propagation

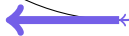
 $u_{\text{north}} = -\frac{g}{f(y+\delta y)} \frac{\partial \eta}{\partial y} < u_{\text{south}}$

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

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

High η

Medium η

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

Low η