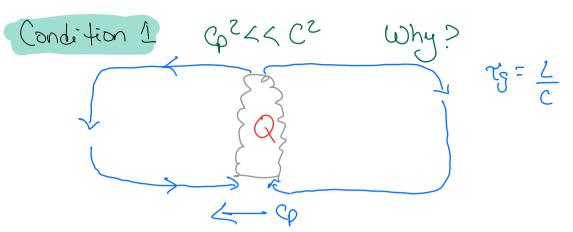


Two conditions must be postisfied for NWKK1



Timescale of the system must be 3 times longer than gravity would adj. timeocale.

Example:
$$T_{g} = \frac{2x}{C} = \frac{10^{6}m}{50 \text{ ms}^{3}}$$

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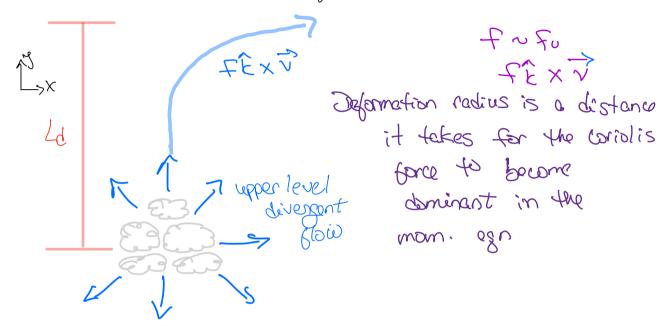
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$$T_{g} = \frac{10^{6}m}{2.5 \times 10^{12}} = 4 \times 10^{10}$$

Condition 2 Meridianal scale is smallen than deformation radius.



If your system has a scale (2 ~ Ly then

Coriolis Force won't allow with balance

$$2d \sim \frac{c}{f} = \frac{50 \text{ ms}^{-1}}{3 \times 10^{5} \text{ s}^{-1}} = \frac{5}{3} \times 10^{6}$$

$$4d \sim \frac{c}{f} = \frac{10^{6} \times 10^{5} \text{ s}^{-1}}{3 \times 10^{5} \text{ s}^{-1}} = \frac{5}{3} \times 10^{6}$$

$$4d \sim \frac{c}{f} = \frac{10^{6} \times 10^{5} \text{ s}^{-1}}{3 \times 10^{5} \text{ s}^{-1}} = \frac{5}{3} \times 10^{6}$$