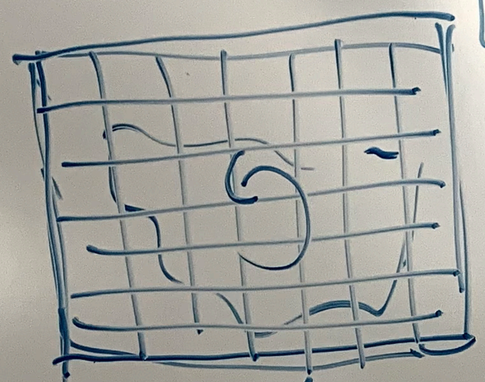
90



Latmax

y v →

Latmin

Latmin

Lowmax

→ x , u

$$\frac{\partial v}{\partial x} - \frac{\partial y}{\partial y_K}$$

$$\Delta y = \begin{cases} r < \varphi \end{cases}$$

Lat ↑

90

-90

-180

0 → long.

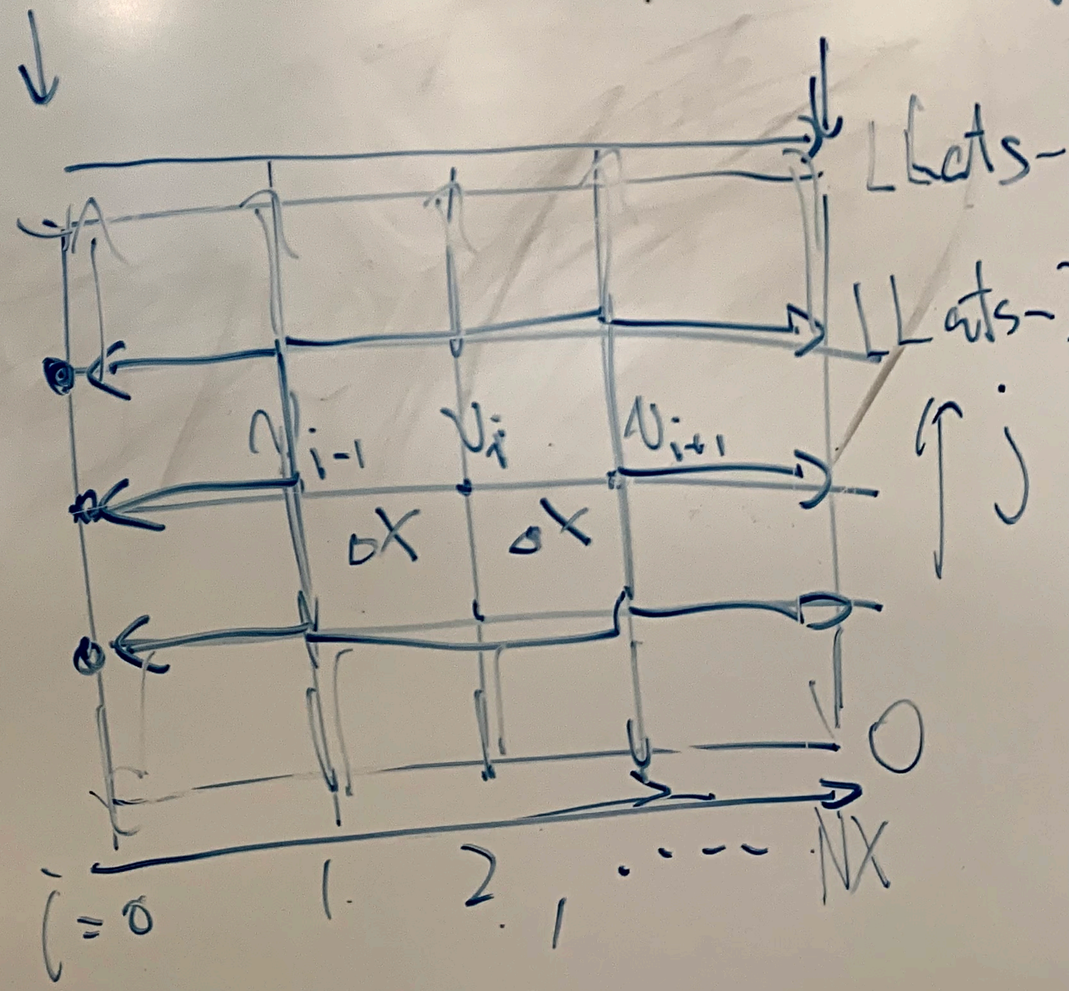
180

$$\frac{1}{2}\left[\frac{u_{i+1}-u_i}{\Delta x}+\frac{u_i-u_{i-1}}{\Delta x}\right]$$

$$\frac{\partial v}{\partial x}=\frac{v_{1,j}-v_{0,j}}{\Delta x}$$

$$\frac{u_{nx,j}-u_{nx-1,j}}{\Delta x}$$

$$\frac{}{2x}$$



$$\frac{\partial u}{\partial y} \approx \frac{u_{i,j+1} - u_{i,j-1}}{2\Delta y} \qquad O(\Delta x)$$

$$O(\Delta x^2)$$

$$\frac{\partial v_{ij}}{\partial x} \approx \frac{v_{i+1,j} - v_{i-1,j}}{2\Delta x}$$

$$\frac{\frac{\partial}{\partial x} + \frac{\partial}{\partial x}}{2}$$

$$\Delta x \to 0$$