## ACCOUNTER

$$\frac{\partial U}{\partial \xi} + U \frac{\partial U}{\partial x} + U \frac{\partial U}{\partial y} = \sqrt{\frac{\partial^2 U}{\partial x^2}} + \sqrt{\frac{\partial^2 U}{\partial y^2}}$$

$$U\frac{\partial U}{\partial x} = U_{i,j}^{\ell} \left( \frac{U_{i+1,j}^{\ell} - U_{i-1,j}^{\ell}}{2\Delta x} \right) \left( \frac{U_{i+1,j}^{\ell} - U_{i-1,j}^{\ell}}{2\Delta x} \right)$$

$$\sqrt{\frac{\partial^2 U}{\partial y^2}} = \mathcal{O}\left(\frac{U_{i,j+1}^2 - 2U_{i,j}^2 + U_{i,j-1}^2}{(\Delta y)^2}\right)$$

$$= \frac{U}{(\Delta x)^{2}} \left( \frac{U_{i,1,j} - 2U_{i,j} + U_{i,j,j}}{(\Delta x)^{2}} \right) + \frac{U}{(\Delta x)^{2}} \left( \frac{U_{i,j+1} - 2U_{i,j}}{(\Delta x)^{2}} \right) + \frac{U}{(\Delta x)^{2}} \left( \frac{U_{i,j+1} - U_{i,j-1}}{(\Delta x)^{2}} \right) - \frac{U}{(\Delta x)^{2}} \left( \frac{U_{i,j+1} - U_{i,j-1}}{(\Delta x)^{2}} \right)$$

ACCOUNTER DÍA MES AÑO	
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Uiji = 10/1t (Uit, j -2 Uiji + Ui-1, j)	
+ vot (U) -200, + U)	
$-\Delta t U_{i,j} \left( \frac{U_{i+1,j} - U_{i-1,j}}{2\Delta x} \right)$	
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- Dt Ui, ( Di, jei - Ui, j-1 ) + Ui, j	
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$(Y^{(r)})$	
CONTADÖR	