All the terms to subsitute in the code are highlighted in yellow.

$$Eq. 1$$

$$| P_{1}| | P_{2}| | P_{3}| | P_{4}| | P_{4}| P_{5}| P_{$$

$$P = P_0 \left(\frac{R_d}{P_0 \cdot x_d} \right)^{\chi} - P_0 \left(\frac{R_d}{P_0 \cdot x_d} \right)^{\chi} + P_0 \left(\frac{R_d}{P_0 \cdot x_d} \right)^{\chi} +$$

$$\frac{3x}{3\phi} = 3 \frac{9x}{95}$$

$$\frac{\partial V}{\partial t} = \frac{Md}{mx} \frac{\partial v}{\partial t}$$

$$\frac{2(U \cdot v)}{9 \times} = \frac{Md}{\Delta y} \left(u \sqrt{\frac{9}{9}} d + d(xy) u \frac{9v}{9x} + d(xy) v \frac{9u}{9x} \right)$$

$$\frac{2(V \cdot v)}{9v} = \frac{Md}{\Delta x} \left(v^2 \frac{9d}{9v} + d(xy) 2v \frac{9v}{9v} \right)$$

$$\frac{div Vv}{2v}$$

$$\frac{\partial (V \cdot v)}{\partial y} = \frac{M\Delta}{\Delta x} \left(v^2 \frac{\partial d}{\partial y} + d(xy) 2v \frac{\partial v}{\partial y} \right)$$

$$\frac{\partial(\Lambda \cdot V)}{\partial \eta} = \frac{1}{m\eta} \left(\frac{\partial^2 Pd}{\partial \eta^2} w V + \mu d \frac{\partial w}{\partial \eta} V + \mu_d w \frac{\partial v}{\partial \eta} \right)$$

$$\frac{\partial P}{\partial n}$$
 or above , $\frac{\partial q}{\partial \theta} = \frac{\partial q}{\partial \theta}$

$$\frac{\partial (\nabla \cdot w)}{\partial x} = \frac{\partial \varphi}{\partial y} (x_{1}y) \cdot w + d(x_{1}y) \frac{\partial w}{\partial x} + d(x_{1}y) \cdot w \frac{\partial w}{\partial x}$$

$$\frac{\partial (\nabla \cdot w)}{\partial x} = \frac{\partial \varphi}{\partial x} (\frac{\partial \varphi}{\partial y} \cdot w + d(x_{1}y) \frac{\partial w}{\partial x} + d(x_{1}y) \cdot w \frac{\partial w}{\partial x})$$

$$\frac{\partial (\nabla \cdot w)}{\partial y} = \frac{\partial \varphi}{\partial x} (\frac{\partial \varphi}{\partial y} \cdot w + d(x_{1}y) \frac{\partial w}{\partial y} + d(x_{1}y) \cdot w \frac{\partial w}{\partial y})$$

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$$\frac{\partial (\nabla \cdot w)}{\partial y} = \frac{\partial \varphi}{\partial y} (\frac{\partial \varphi}{\partial y} \cdot w + d(x_{1}y) \frac{\partial w}{\partial y} + d(x_{1}y) \cdot w \frac{\partial w}{\partial y})$$

$$U \cdot \theta_m = \frac{Md}{\Delta y} d(x,y) u \theta_m \quad , \quad V \cdot \theta_m = \frac{Md}{\Delta x} d(x,y) \nabla \theta_m \quad , \quad \Omega \cdot \theta_m = \frac{Md}{my} u \theta_m$$

$$\frac{2(1 \cdot \theta_{m})}{9x} = \frac{Md}{\Delta y} \left(\frac{\partial d}{\partial x} \omega \theta_{m} + d(x_{1}y) \frac{\partial u}{\partial x} \theta_{m} + d(x_{1}y) \omega \frac{\partial \theta_{m}}{\partial x} \right)$$

$$\frac{2(1 \cdot \theta_{m})}{\partial y} = \frac{Md}{\Delta x} \left(\frac{\partial d}{\partial y} \omega \theta_{m} + d(x_{1}y) \frac{\partial w}{\partial y} \theta_{m} + d(x_{1}y) \omega \frac{\partial \theta_{m}}{\partial y} \right)$$

$$\frac{2(1 \cdot \theta_{m})}{\partial y} = \frac{Md}{\Delta x} \left(\frac{\partial^{2} Pd}{\partial y^{2}} \omega \theta_{m} + Md \frac{\partial w}{\partial y} \theta_{m} + Md \frac{\partial w}{\partial y} \theta_{m} \right)$$

$$\frac{\partial w}{\partial y} = \frac{Md}{\partial x} \left(\frac{\partial^{2} Pd}{\partial y^{2}} \omega \theta_{m} + Md \frac{\partial w}{\partial y} \theta_{m} + Md \frac{\partial w}{\partial y} \theta_{m} \right)$$

Eq. 5

$$V = \frac{Md}{mx} v = \frac{Md}{\Delta x} d(x_1 y) v$$

$$\frac{\partial V}{\partial x} = \frac{M4}{\Delta x} \left(\frac{\partial d}{\partial x} \Lambda \nabla + \frac{d(x, y)}{\partial x} \frac{\partial V}{\partial x} \right)$$

$$\frac{\partial V}{\partial y} = \frac{M4}{\Delta x} \left(\frac{\partial d}{\partial y} \Lambda \nabla + \frac{d(x, y)}{\partial y} \frac{\partial V}{\partial y} \right)$$

$$\frac{\partial V}{\partial y} = \frac{1}{mx} \left(\frac{\partial^2 P4}{\partial y^2} \Lambda \nabla + \frac{1}{2} \frac{\partial V}{\partial y} \right)$$

$$\frac{\partial V}{\partial y} = \frac{1}{mx} \left(\frac{\partial^2 P4}{\partial y^2} \Lambda \nabla + \frac{1}{2} \frac{\partial V}{\partial y} \right)$$

$$\frac{\partial \phi}{\partial t} = 9 \frac{\partial z}{\partial t}$$

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