

$$\left(\mathfrak{U}-\mathfrak{c}\right)\left(\tilde{\psi}_{\mathrm{yy}}-\mathfrak{k}^2\tilde{\psi}\right)+\left(\beta-\mathfrak{U}_{\mathrm{yy}}\right)\tilde{\psi}=$$

$$\mathrm{Bu}=\left(\frac{\mathrm{Ro}}{\mathrm{Fr}}\right)^2$$

$$\sigma \sim \frac{\mathfrak{U}}{\mathrm{L}_\mathrm{d}} = \Lambda \frac{\mathfrak{f}_0}{\mathrm{N}}$$

$$\frac{\mathrm{D}}{\mathrm{D}\mathfrak{t}}\left(\mathfrak{U}\oint_{\mathcal{C}}\vec{\mathfrak{t}}\cdot\mathfrak{f}\right)=-\left(\zeta+\mathfrak{f}\right)\left(\frac{\partial \mathfrak{u}}{\partial \mathfrak{x}}+\frac{\partial \mathfrak{v}}{\partial \mathfrak{y}}\right)+\left(\frac{\partial \mathfrak{u}}{\partial \mathfrak{z}}\frac{\partial \mathfrak{w}}{\partial \mathfrak{y}}-\frac{\partial \mathfrak{v}}{\partial \mathfrak{z}}\frac{\partial \mathfrak{w}}{\partial \mathfrak{x}}\right)$$

$$\mathfrak{q}=\beta \mathfrak{y}+\left[\nabla^2+\frac{\partial}{\partial z}\left(\frac{\mathfrak{f}_0^2}{\mathrm{N}^2}\frac{\partial}{\partial z}\right)\right]\psi$$

$$\mathrm{APE}=\frac{\overline{\mathfrak{R}\mathfrak{p}_\mathrm{S}^\kappa}}{2}\int_0^{\mathfrak{p}_\mathrm{S}}\mathfrak{p}^{\kappa-1}\left(-g\frac{\partial\overline{\theta}}{\partial\mathfrak{p}}\right)\overline{\theta'}^2\,\mathrm{d}\mathfrak{p}$$

$$\vec{\omega} = \nabla \times \vec{v}$$