$$\boldsymbol{\nu} = \mathbf{K}^{-1} \Psi$$

 $\mathbf{\zeta}^{-1}\Psi$   $\frac{\partial \mathbf{r}}{\partial \mathbf{c}}$ 

$$oldsymbol{\gamma}^{ op} rac{\partial^2 oldsymbol{
u}}{\partial^2 oldsymbol{lpha}} = \mathsf{T}_1 + \mathsf{T}_2 + \mathsf{T}_2^{ op}$$

$$\gamma \cdot \frac{1}{\partial^2 \mathbf{q}} = \mathbf{1}_1 + \mathbf{1}_2 + \mathbf{1}_2$$

 $T_{1} = \frac{\partial}{\partial \mathbf{q}} \left[ \frac{\partial}{\partial \mathbf{q}} \text{ mRNEAc} \left( \mathbf{q}, \dot{\mathbf{q}}, \ddot{\mathbf{q}}, \mathbf{a}_{g}, \boldsymbol{\lambda}, \boldsymbol{\xi_{\tau}}, \boldsymbol{\pi} \right) \right] \quad \mathcal{O}(n^{2}) \blacktriangleleft$   $T_{2} = \frac{\partial}{\partial \mathbf{q}} \text{ mRNEAc} \left( \mathbf{q}, \dot{\mathbf{q}} * 0, \frac{\partial \ddot{\mathbf{q}}}{\partial \mathbf{q}}, \mathbf{a}_{g} * 0, \frac{\partial \boldsymbol{\lambda}}{\partial \mathbf{q}}, \boldsymbol{\xi_{\tau}}, \boldsymbol{\pi} \right) \quad \mathcal{O}(n^{2}) \blacktriangleleft$