



$$\begin{bmatrix} \dot{\mathbf{z}} \\ \dot{\mathbf{y}} \\ \dot{x} \end{bmatrix} = \begin{bmatrix} (\alpha_y(\beta_y(\mathbf{y}^g - \mathbf{y}) - \mathbf{z}) + x \cdot f(x))/\tau \\ \mathbf{z}/\tau \\ -\alpha_x x/\tau \end{bmatrix}$$

