Project

$$\dot{y} = \frac{M}{v_{eq}^{2}} \left( v_{f}(D)^{2} - 2v_{f}(0)\dot{y}(t) + \dot{y}^{2}(t) - v_{eq}^{2} \right)$$

$$a = \frac{M}{v_{eq}^{2}}$$

$$\ddot{y} = a \left( v_{f}(D)^{2} - 2v_{f}(D)\dot{y}(t) + \dot{y}^{2}(t) - b_{x} \right)$$

42

$$\ddot{y} = \psi^{T}(\xi) \Theta$$

$$\Theta = \begin{pmatrix} a \\ b \end{pmatrix}$$

