

$$-\frac{3}{2}$$

$$m \cdot \frac{dv_{x}}{dt} = -F_{el} \operatorname{som} \Theta + \operatorname{D} \operatorname{cos} x \Rightarrow m \frac{dv_{x}}{dt} = -k \left(\sqrt{x^{2} + y^{2}} - l_{o} \right) \cdot \frac{x}{\sqrt{x^{2} + y^{2}}} + \frac{1}{2} e \operatorname{Cd} A(v_{x}^{2} + o y^{2}) \cdot (-o x)$$

$$F_{el} = k \left(l - l_{o} \right)$$

$$m.ay = Fel. cos\theta + D sen x - mg = k(l-l_0) cos\theta + \frac{1}{2} eCdA(v_x^2 + v_y^2) \cdot \frac{(-v_y)}{\sqrt{v_x^2 + v_y^2}} - mg$$

$$\frac{\partial x}{\partial t} = \mathcal{O}_{x}$$

$$\frac{\partial y}{\partial t} = \mathcal{O}_{y}$$