

$$-\frac{mgL}{2}\sin\theta = \frac{ml^2d_{RB} + ma_{RL}}{2}\cos\theta$$

$$A_{S}-m_{J} = \frac{md_{RB}L}{2}\sin\theta$$

$$0 = m\left(a_{X} + \frac{d_{RB}L}{2}\cos\theta\right)$$

$$-\frac{d_{RB}L}{2}\cos\theta$$

$$-\frac{d_{RB}L}$$

$$\frac{d^{2}}{dx} = \frac{3q(2L-L)}{2(L^{2}-3LL+3L^{2})}$$

$$\frac{d^{2}}{dx} = 0$$

$$\frac{d^{2}}{dx} = \frac{f(x)}{g(x)}, \frac{d^{2}}{dx}$$

$$\frac{d^{2}}{dx} = \frac{g(x)f'(x) - g'(x)f'(x)}{g(x)}$$

$$\frac{d^{2}}{dx} = \frac{3(2L-L)}{2(L^{2}-3LL+3L)}$$

$$\frac{d^{2}}{dx} = \frac{3(2L-L)}{2(L^{2}-3L+3L)}$$

