$$\frac{1}{4} \int_{0}^{\pi} \sqrt{-y} \quad \text{mdv} = -my - \mu V$$

$$t=0 \quad V(0)=0$$

$$\underbrace{\text{Euler: } V(t+dt)-V(t)}_{2t} = f(v(t),t)$$

$$\frac{V_{i+1}-V_i}{3t}=f(V_i,t_i)$$

v;= v(+)

V;+1= V(+2+)

$$\frac{dv}{g+xv} = -dt$$

$$\frac{m}{\mu}\ln\left(9+\frac{\mu}{m}v\right) = -t+c$$

$$\ln\left(9+\frac{\mu}{m}v\right) = -\frac{\mu}{m}t+\frac{\mu}{m}c$$

$$g + L_{N} v = Q - 4 + C^{*}$$
 $g + L_{N} v = Q - 4 + C^{*}$
 $g + L_{N} v = Q - 4 + C^{*}$
 $f - 4 + C^{*}$

$$t=0 \quad V=0$$

$$0 = 0 \quad \text{gm}$$

$$0 = 0 \quad \text{gm}$$

$$0 = 0 \quad \text{gm}$$

$$V = \frac{gm}{\mu} \left(\frac{-\frac{M}{m}t}{-\frac{gm}{\mu}} - \frac{gm}{\mu} \right) = \frac{gm}{\mu} \left(\frac{-\frac{M}{m}t}{-\frac{M}{m}} - \frac{gm}{\mu} \right)$$