معلسه عل عربي:

$$C = \frac{x_{\min} + x_{\max}}{2}$$

$$F_{(c)} \times F_{(x_{min})} < 0$$

$$= \int_{(X_{max})} f(c) < 0$$

عرين دوم)

$$\dot{f}_{(t)} = \frac{f_{(t+dt)} - f_{(t)}}{dt} \longrightarrow \mathcal{V}_{x} = \frac{\chi_{(t+dt)} - \chi_{(t+dt)}}{dt}$$

$$\ddot{F}_{(t)} = \frac{f(t+dt) - 2f(t) + f(t-dt)}{dt^2} \Rightarrow a_y = g = \frac{y_{(t+dt)} - 2y_{(t)} + y_{(t-dt)}}{dt^2}$$

$$V_{\text{oy}} = \frac{R^9}{20.x} \rightarrow R = \max(x)$$

$$\frac{dx}{dt} - V_x$$

$$\chi_{i+1} = \chi_i + \nu_{\kappa_i} * lelta_t$$

$$\frac{dv_y}{dt} = a_y$$

$$F = -\alpha v^2 - \gamma \alpha_y^2 \frac{F_y}{m}$$

$$V_{y_{i+1}} = V_{y_i} + (-g - \frac{\alpha V_i V_{y_i}}{m})_{A}$$

$$\chi_{i+1} = \chi_i + \nu_{\kappa_i}$$
 delta-t

$$\frac{dv_{x}}{dt} = a_{x}$$

$$F = -\alpha v^2 \rightarrow \alpha_x = \frac{F}{m}$$

=>
$$\alpha_{yz} - \frac{\alpha v v_x}{m}$$

$$V_{n_{i+1}} = V_{n_i} + \left(-\frac{\alpha V_i v_{x_i}}{m}\right)^* del_{t\alpha-t}$$

*delta_t

7ر نسیم الکورینغ سایی ۵

$$v_i = \sqrt{v_{x_i}^2 + v_{y_i}^2}$$

$$V_{x_{i+1}} = V_{x_i} + \left(-\frac{\alpha V_{x_i} V_i}{m}\right)^* delta_t \rightarrow 1$$

$$v_{y_{i+1}} = v_{y_i} + (-g - \frac{\alpha v_{y_i} v_i}{m})^* del+a-t \rightarrow 1$$