$$\frac{\ddot{x} + 2\dot{y} \dot{x} + w_{0}^{2} \dot{x} = F_{0} \cos(\omega t)}{x^{2} + w_{0}^{2} \dot{x} = 0}, \quad w_{0} = 0, \quad v(0) = 0.$$

$$\frac{\ddot{x} + 2\dot{y} \dot{x} + w_{0}^{2} \dot{x} = 0}{x^{2} + 2\dot{y} \cdot \dot{x} \cdot \dot{x} \cdot \dot{x}^{2} \cdot \dot{x} \cdot \dot{x} \cdot \dot{x}^{2} \cdot \dot{x} \cdot \dot{x}^{2}} = 0$$

$$\frac{\ddot{x} + 2\dot{y} \dot{x} + w_{0}^{2} \dot{x} = 0}{x^{2} + 2\dot{y} \cdot \dot{x} \cdot \dot{x} \cdot \dot{x}^{2} \cdot \dot{x}^{2} \cdot \dot{x} \cdot \dot{x}^{2} \cdot \dot{x}^{2} \cdot \dot{x}^{2}} = 0$$

$$\frac{\ddot{x} + 2\dot{y} \dot{x} + w_{0}^{2} \dot{x} + 0}{x^{2} \cdot \dot{x} \cdot \dot{x}^{2} \cdot \dot{x}^{$$

Ooyee.

$$X = \frac{F_0}{(\omega_0^2 - \omega^2)^2 + 4\gamma^2 \omega^2} \cos(\omega t + \varphi_0) + A e^{-rt} \cos(\sqrt{\omega_0^2 - \gamma^2} t) + A e^{-rt} \sin(\sqrt{\omega_0^2 - \gamma^2} t)$$

$$X(0) = 0 = \frac{F_0}{\sqrt{(w_0^2 - w^2)^2 + 4 \int_0^2 w^2}} \cos (f_0 + A)$$

$$A = \frac{-F_0 \cos (f_0)}{\sqrt{(w_0^2 - w^2)^2 + 4 \int_0^2 w^2}}$$

$$V(0) = 0 = \frac{-F_0 W}{\sqrt{(W_0^2 W^2)^2 + 4y^2 w^2}} \sin \varphi_0 - Ay + B \sqrt{(W_0^2 - y^2)^2}$$

$$\frac{-F_{0}}{\int (w_{0}^{2}-w^{2})^{2}+4y^{2}w^{2}}(w_{1}^{2}ny_{0}-cosy_{0})+b\int w_{0}^{2}-y^{2}=0$$

$$B = \frac{F_0(W_{9}^{2} \ln (l_0 - cos (l_0))}{\sqrt{(W_0^2 - W_0^2)^2 + 4 l_0^2 W_0^2}} \frac{1}{\sqrt{W_0^2 - l_0^2}}$$

