



$$y(t) = |H(0)| \cdot 7 - 7 \cdot |H(3)| \cdot \cos(G\pi t) + 3 \cdot |H(7)| \cdot \sin(44\pi t)$$

$$= 7 - 7 \cdot \cos(G\pi t) + 0.81 \cdot \sin(44\pi t) \cdot (t : ms)$$

$$\text{Who plue traing ty cain d:} \\ \chi_a(t) = 7 - 7 \cdot \cos(G\pi t) + 0.81 \cdot \sin(44\pi t)$$

$$\text{h)} \qquad y(t)$$

$$y(t)$$

$$-1 \qquad 1 \qquad f(HH_2)$$

$$1 = F_A = 8 - K \cdot F_B \cdot F_A = 1 \quad \text{chow } K = 1 \Rightarrow F_B = 7 \cdot (H_2)$$

$$-\frac{A_1}{2} \cdot \frac{B_1}{2} = -\frac{1}{2} \quad \text{chow } A = 1 \Rightarrow B = -1$$

$$\Rightarrow \chi(t) = A \cdot \sin(2\pi F_A t) + B \cdot \sin(2\pi F_B t) \quad (t : ms)$$

$$= \sin(2\pi t) - \sin(4\pi t) \quad (1 + ms)$$