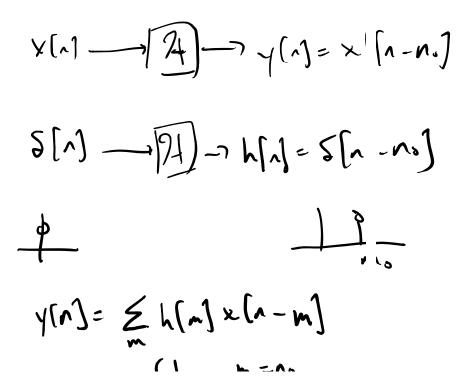
2022oct07

Friday, October 7, 2022 13:34



$$h(m) = \{0 \text{ else} \\ cos(\omega n) \rightarrow [1] \rightarrow \gamma(n) = ? \\ = [14(v)] cos(\omega n + & H(\omega)] \\ H(\omega) = \sum_{m=-\infty}^{\infty} h(n) e^{-j\omega m} \\ = e^{-j\omega n}$$

$$X H(w) = tun' \left(\frac{\sin(w n_0)}{\cos(-w n_0)} \right)$$

= ton' (ton(w n_0)) = - wno
$$H(w) = [H(w)] e^{\int X H(w)}$$

= e^{-jwno}
$$H(w) = -wno$$

$$A H(w) = -wno$$

$$A H(w) = -wno$$

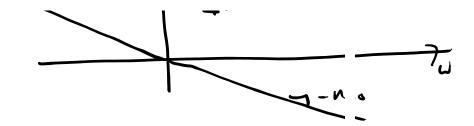
$$e^{i\omega n} \rightarrow \overline{H} + (\omega) e^{i\omega n}$$

$$= e^{i\omega (n - n \cdot n)}$$

$$[H(\omega)] = [e^{-i\omega n \cdot n}]$$

$$= \int cos^{2}(\omega n \cdot n) + sin^{2}(\omega n \cdot n) = [$$

$$X + I(\omega) = tun^{2} \left(\frac{sin(-\omega n \cdot n)}{cos(-\omega n \cdot n)}\right)$$



$$cos(wn) \rightarrow [74] \rightarrow [14(w)] cos(wn + i LH(w))$$

$$= 1 \cdot cos(wn - chno)$$

$$= cos(w(n - no))$$