Friday, November 11, 2022

DT FT

Z-TRANIFORM

$$Y(z) = \chi(z) - 0.9z' \chi(z)$$

= (1-0.9z') \(\chi(z)\)

$$H(z) = \frac{Y(z)}{Y(z)} = 1 - 0.9z^{-1}$$

$$H(u) = \frac{1}{e^{iu}} (e^{iu} - 0.9)$$

$$|H(u)| = \frac{1}{e^{iu}} (e^{iu} - 0.9)$$

$$|T_{m(2)}| = |e^{iu} - 0.9|$$

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