Le29

Tuesday, 3 June 2025

10:29

$$\frac{254}{Y(s)} = \frac{Y_{11}(s)}{s^{5} + K_{11}} - X(s) + \frac{Y_{12}(s)}{s^{5} + K_{11}}$$

$$x(t) = F_{0} \cos(s_{0}t) T(t)$$

$$y_{11}(t) = ?$$

$$X(s) = \frac{F_{0}}{s^{5} + c_{0}} + \frac{Y_{0}}{s^{5} + c_{0}}$$

$$y_{12}(s) = \frac{F_{0}}{s^{5} + c_{0}} + \frac{Y_{0}}{s^{5} + c_{1}}$$

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$$y_{2}(s) = \frac{F_{0}}{s^{5} + c_{0}} + \frac{Y_{0}}{s^{5} + c_{0}}$$

$$g_{12}(t) = \frac{F_{0}}{s^{5} + c_{0}} + \frac{Y_{0}}{s^{5} + c_{0}}$$

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$$g_{12}(s) = \frac{1}{(s^{5} + K_{0})(s^{5} + c_{0})} = \frac{s^{5}}{s^{5} + c_{0}} + \frac{g_{1}}{s^{5} + c_{0}}$$

$$R_{0} = 2(s^{2})(s^{5} + c_{0}) + \frac{g_{1}}{s^{5} + c_{0}} + \frac{g_{1}}{s^{5} + c_{0}}$$

$$R_{1} = 2(s^{2})(s^{5} + c_{0}) + \frac{g_{1}}{s^{5} + c_{0}} + \frac{g_{1}}{s^{5} + c_{0}} + \frac{g_{1}}{s^{5} + c_{0}}$$

$$y_{12}(s) = \frac{F_{0}}K_{0}s^{5} + \frac{g_{0}}{s^{5} + c_{0}} + \frac{g_{1}}{s^{5} + c_{0}$$

$$\chi(t) = \underbrace{m}_{+} \underbrace{m$$

$$\begin{aligned} \kappa(n) &= \frac{1}{2} \left( \frac{e^{d\theta_{0}}}{1 - e^{d\theta_{0}}} + \frac{1}{2} \left( \frac{e^{-d\theta_{0}}}{1 - e^{-d\theta_{0}}} \right)^{n} \frac{1}{6} \frac{(n)}{(n)} \right) \\ &= \frac{1 - e^{-d\theta_{0}} z^{-1}}{1 - e^{-d\theta_{0}} z^{-1}} + \frac{1}{2} \frac{1}{1 - e^{-d\theta_{0}} z^{-1}} \\ &= \frac{1 - e^{-d\theta_{0}} z^{-1}}{2 \left( 1 - e^{-d\theta_{0}} z^{-1} \right) \left( 1 - e^{-d\theta_{0}} z^{-1} \right)} \\ &= \frac{1 - z^{-1} \left( \frac{e^{-d\theta_{0}} + e^{-d\theta_{0}}}{2} \right) \left( 1 - e^{-d\theta_{0}} z^{-1} \right) \\ &= \frac{1 - z^{-1} \left( \frac{e^{-d\theta_{0}} + e^{-d\theta_{0}}}{2} \right) + \frac{e^{-d\theta_{0}} z^{-1}}{2} \\ &= \frac{1 - c - 2 \left( e^{-d\theta_{0}} + e^{-d\theta_{0}} \right) + \frac{e^{-d\theta_{0}} z^{-1}}{2} \\ &= \frac{1 - c - 2 \left( e^{-d\theta_{0}} + e^{-d\theta_{0}} \right) + \frac{e^{-d\theta_{0}} z^{-1}}{2} \\ &= \frac{1 - c - 2 \left( e^{-d\theta_{0}} + e^{-d\theta_{0}} \right) + \frac{e^{-d\theta_{0}} z^{-1}}{2} \\ &= \frac{1 - c - 2 \left( e^{-d\theta_{0}} + e^{-d\theta_{0}} \right) + \frac{e^{-d\theta_{0}} z^{-1}}{2} \\ &= \frac{1 - c - 2 \left( e^{-d\theta_{0}} + e^{-d\theta_{0}} \right) + \frac{e^{-d\theta_{0}} z^{-1}}{2} \\ &= \frac{1 - c - 2 \left( e^{-d\theta_{0}} + e^{-d\theta_{0}} \right) + \frac{e^{-d\theta_{0}} z^{-1}}{2} \\ &= \frac{1 - c - 2 \left( e^{-d\theta_{0}} + e^{-d\theta_{0}} \right) + \frac{e^{-d\theta_{0}} z^{-1}}{2} \\ &= \frac{1 - c - 2 \left( e^{-d\theta_{0}} + e^{-d\theta_{0}} \right) + \frac{e^{-d\theta_{0}} z^{-1}}{2} \\ &= \frac{1 - c - 2 \left( e^{-d\theta_{0}} + e^{-d\theta_{0}} \right) + \frac{e^{-d\theta_{0}} z^{-1}}{2} \\ &= \frac{1 - c - 2 \left( e^{-d\theta_{0}} + e^{-d\theta_{0}} \right) + \frac{e^{-d\theta_{0}} z^{-1}}{2} \\ &= \frac{1 - c - 2 \left( e^{-d\theta_{0}} + e^{-d\theta_{0}} \right) + \frac{e^{-d\theta_{0}} z^{-1}}{2} \\ &= \frac{1 - c - 2 \left( e^{-d\theta_{0}} + e^{-d\theta_{0}} \right) + \frac{e^{-d\theta_{0}} z^{-1}}{2} \\ &= \frac{1 - c - 2 \left( e^{-d\theta_{0}} + e^{-d\theta_{0}} \right) + \frac{e^{-d\theta_{0}} z^{-1}}{2} \\ &= \frac{1 - c - 2 \left( e^{-d\theta_{0}} + e^{-d\theta_{0}} \right) + \frac{e^{-d\theta_{0}} z^{-1}}{2} \\ &= \frac{1 - c - 2 \left( e^{-d\theta_{0}} + e^{-d\theta_{0}} + e^{-d\theta_{0}} \right) + \frac{e^{-d\theta_{0}} z^{-1}}{2} \\ &= \frac{1 - c - 2 \left( e^{-d\theta_{0}} + e^{-d\theta_{0}} + e^{-d\theta_{0}} \right) + \frac{e^{-d\theta_{0}} z^{-1}}}{2} \\ &= \frac{1 - c - 2 \left( e^{-d\theta_{0}} + e^{-d\theta_{0}} + e^{-d\theta_{0}} + e^{-d\theta_{0}} + e^{-d\theta_{0}} \right) } \\ &= \frac{1 - c - 2 \left( e^{-d\theta_{0}} + e^{-d\theta_{0}$$

ES3 TROVARE X(T) PER  $x(n) = -Po^{n+1} l_0(n)$ 

$$X(n) = -P_{0} \cdot P_{0}^{n} f_{0}(n)$$

$$\int_{z}^{z} \int_{z}^{z} |z| > |P_{0}|$$

$$X_{t}(2) = -P_{0} \cdot \frac{1}{1 - P_{0} z^{n}}$$

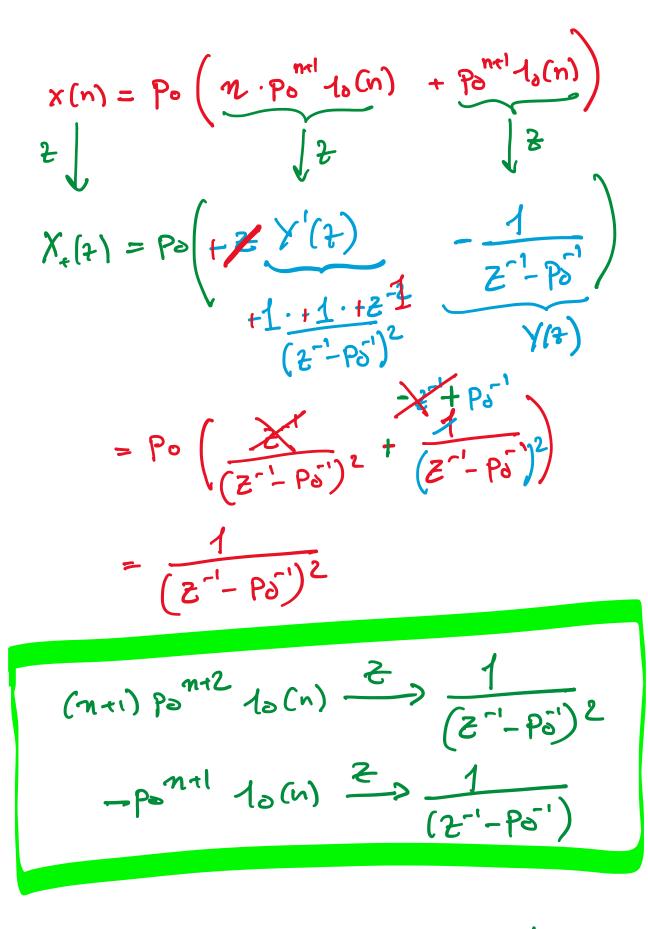
$$I - P_{0} z^{n}$$

$$\frac{1}{z^{n} - \frac{1}{P_{0}}} = \frac{1}{2z^{n} - \frac{1}{2z^{n}}} = \frac{1}{2z^{n} - \frac{1}{2z^{n}}} = \frac{1}{2z^{n}} = \frac{1}{2z^{n}}$$

$$\int_{z}^{z} z^{n}$$

$$- (\frac{1}{2})^{n+1} f_{0}(n)$$

ESG TROVARE X(2) PER X(n) =  $(n+1) P_0^{n+2} l_0(n)$ 



 $-(\frac{n\pi i}{2}) \frac{2}{po^{n+3}} \frac{1}{lo(n)} \xrightarrow{2} \frac{1}{(z'-p5')^{3}}$