6.07

lördag 17 februari 2024 18:55

$$u \cdot u(t) = t^3 e^{-t} \theta(t)$$

$$\mathcal{L}(u \cdot u) = \frac{6}{(s+1)^4}$$

$$\mathcal{L}(u)(s) = \pm\sqrt{6} \cdot \frac{1}{(s+1)^2}$$

$$u(t) = \pm\sqrt{6} \cdot t e^{-t} \theta(t)$$