$$x(t) = e^{-2t} u(t)$$

$$P_{\infty} = \lim_{T \to \infty} \frac{1}{2T} \int_{-T}^{T} |x(t)|^{2} dt$$

$$T_{\infty} = \lim_{T \to \infty} \frac{1}{2T} \int_{-T}^{T} |x(t)|^{2} dt$$

$$\int_{-T}^{T} e^{-4t} dt = \lim_{T \to \infty} \frac{1}{2T} \int_{0}^{T} e^{-4t} dt =$$

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