

Fourier Laplace

$$x(t) = e^{-2t} \varepsilon(t) \quad \longleftrightarrow \quad \mathcal{L}\{x(t)\} = X(s) = \frac{1}{s+2} \quad \operatorname{Re}(s) > -2$$

$$\mathcal{F}\{x(t)\} = X(j\omega) = \frac{1}{j\omega + 2}$$

