

2. Transformation
$$f(t) \rightarrow F(J\omega)$$

$$F(J\omega) = \int_{0}^{\infty} \rho(J) e^{-J\omega t} dt = \int_{0}^{\infty} (1-e^{-\omega t}) e^{-J\omega t} dt$$

$$=\int_{0}^{\infty}e^{-j\omega t}dt -\int_{0}^{\infty}e^{-j\omega t}dt$$

$$\int_{0}^{-j\omega t} dt = -j\omega t$$

$$t = \frac{2i}{-j\omega} / 0t$$

$$0 = -j\omega t$$

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$$\int e^{0t} \frac{d^{2}}{dt} = \frac{1}{-1} \cdot e^{0t} = \frac{1}{-1} \cdot e^{-1} =$$

$$\int e^{\omega \cdot t} \cdot e^{-j\omega t} dt = \int e^{(-\omega \cdot t - j\omega t)} dt =$$

$$= \int e^{(-\omega \cdot t - j\omega t)} dt = \int e^{(-\omega \cdot t - j\omega t)} dt =$$

$$= \int e^{\omega \cdot t} \frac{(-\omega \cdot j\omega t)}{(-\omega \cdot j\omega t)} dt = \int e^{(-\omega \cdot t - j\omega t)} dt =$$

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$$\frac{1}{-j\omega} \cdot e^{-j\omega t} - \frac{1}{(-\omega_{o}-j\omega)} \cdot e^{t(-\omega_{o}-j\omega)} = \frac{1}{(-\omega_{o}-j\omega)} \cdot e^{v(-\omega_{o}-j\omega)} - \frac{1}{(-\omega_{o}-j\omega)} \cdot e^{v(-\omega_{o}$$

3. OBLILIENIE WIDA

$$F(i\nu) = \frac{1}{j\nu} + \frac{1}{-\nu_{o-j}\nu} - \frac{-\nu_{o-j}\nu}{j\nu(-\nu_{o-j}\nu)} + \frac{j\nu}{j\nu(-\nu_{o-j}\nu)}$$

$$= \frac{-\nu_{o}}{j\nu(-\nu_{o-j}\nu)} = \frac{-\nu_{o}}{-j\nu\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu_{o-j}\nu$$

$$\left| \frac{1}{F} \left(J L \right) \right| = \left| \frac{-U}{\omega^{2} - J \omega \omega}, \frac{\omega^{2} + J \omega \omega}{\omega^{2} + J \omega \omega} \right| = \frac{-1}{2} \left| \frac{U}{\omega^{2} + U} \frac{U}{\omega^$$

Wyknis Wo = 10



