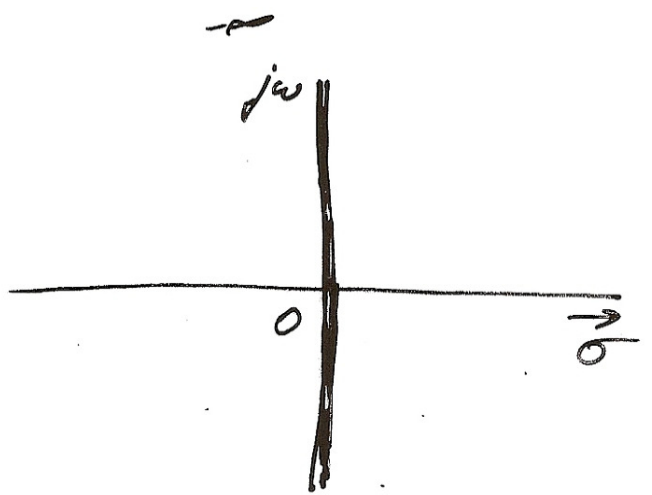
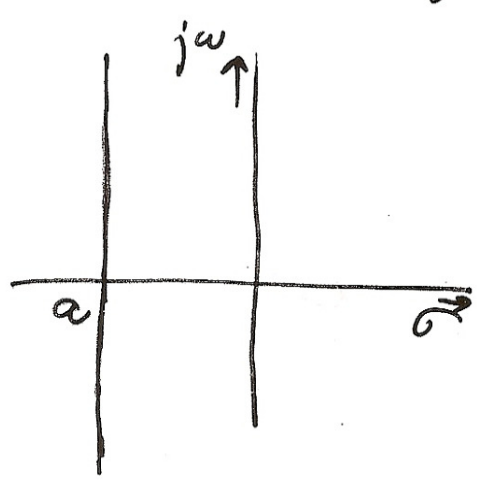


$$\langle -T/2; T/2 \rangle \rightarrow \langle 0; T \rangle$$

$$a > \sigma_0$$

$$X(p) = X(a + j\omega)$$

$$F(a + j\omega) = \int_0^{\infty} x(t) e^{-(a + j\omega)t} dt = \int_0^{\infty} e^{-at} x(t) e^{-j\omega t} dt$$



$$\mathcal{L}\{x(t)\} = X(p) = X(a + j\omega)$$

$$F\{e^{-at} x(t)\} = X(\omega)$$

$$R_{21}(\tau) = R_{12}(-\tau)$$

$$S_{21}(\omega) = X_1(\omega) \cdot \bar{X}_2(\omega)$$

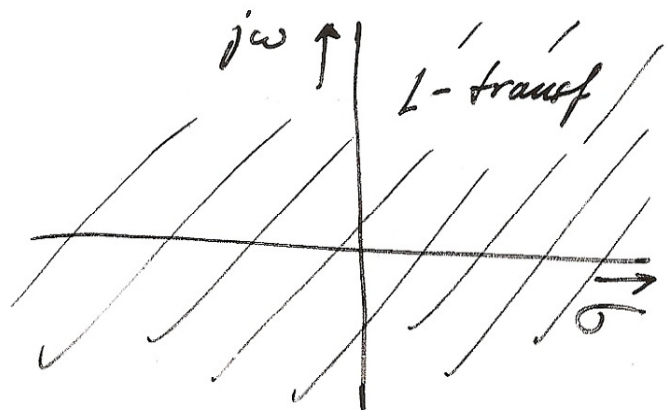
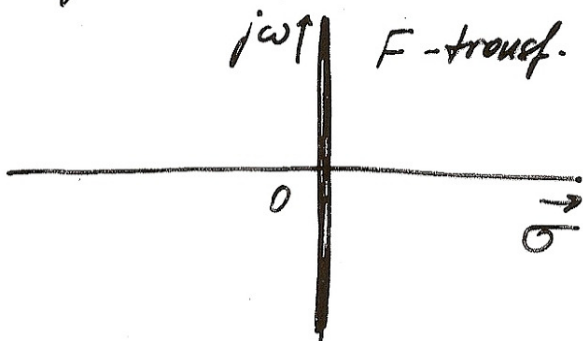
$$S_{21}(\omega) = \bar{S}_{12}(\omega)$$

Vztah mezi Fourierovou a Laplaceovou transformací

$$\mathcal{L}\{x(t)\} = X(p) = \int_0^{\infty} x(t) e^{-pt} dt$$

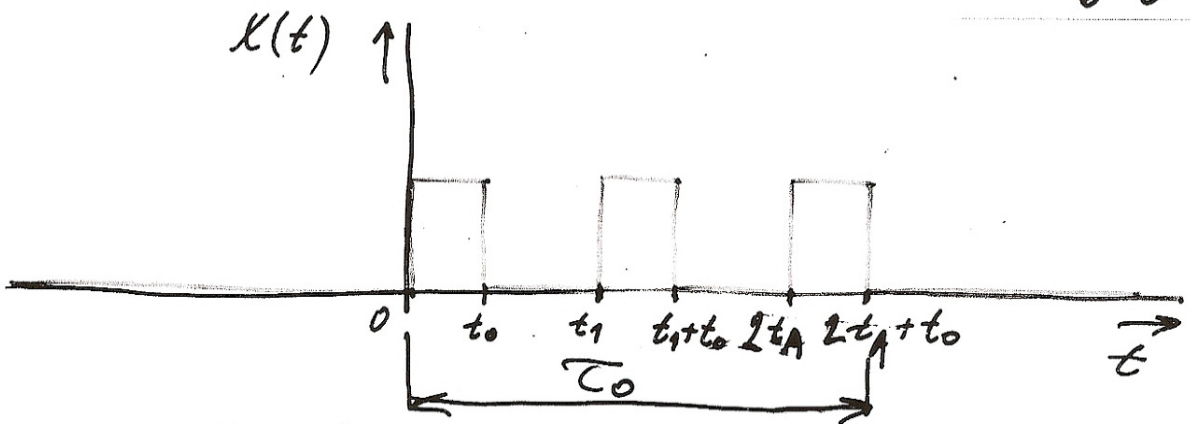
$$\mathcal{L}^{-1}\{X(p)\} = x(t) = \int_{\sigma-j\infty}^{\sigma+j\infty} X(p) e^{pt} dp$$

$$p = \sigma + j\omega$$

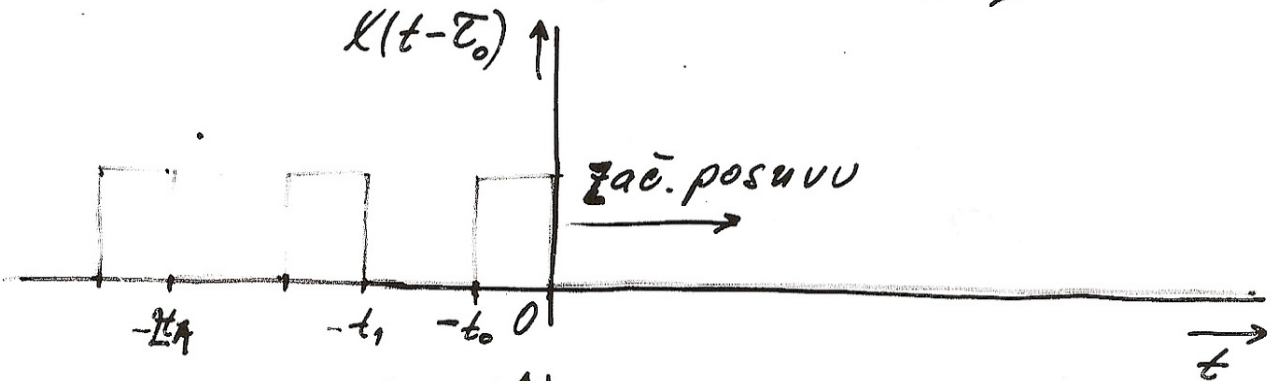


Pr.

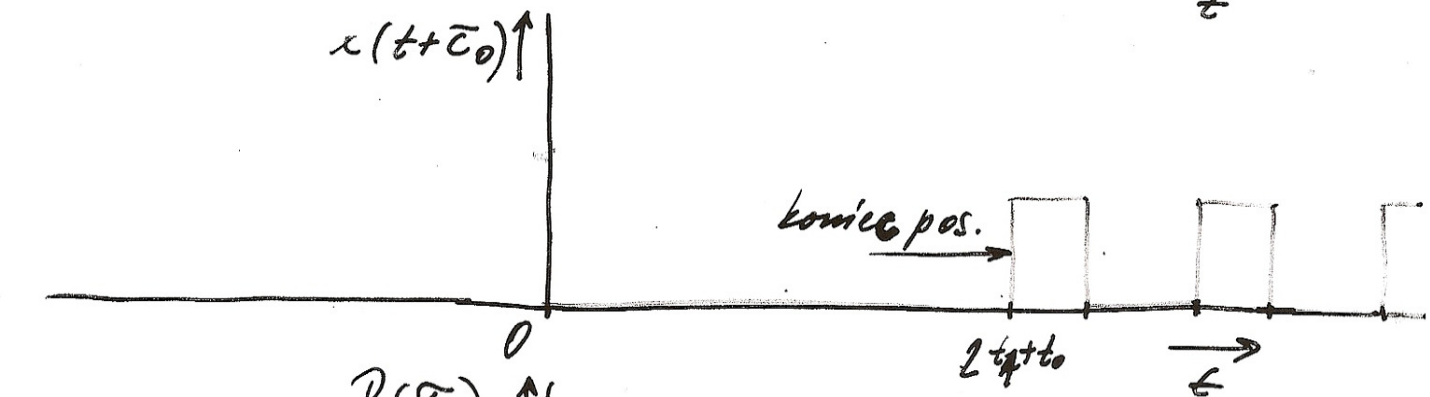
$x(t)$



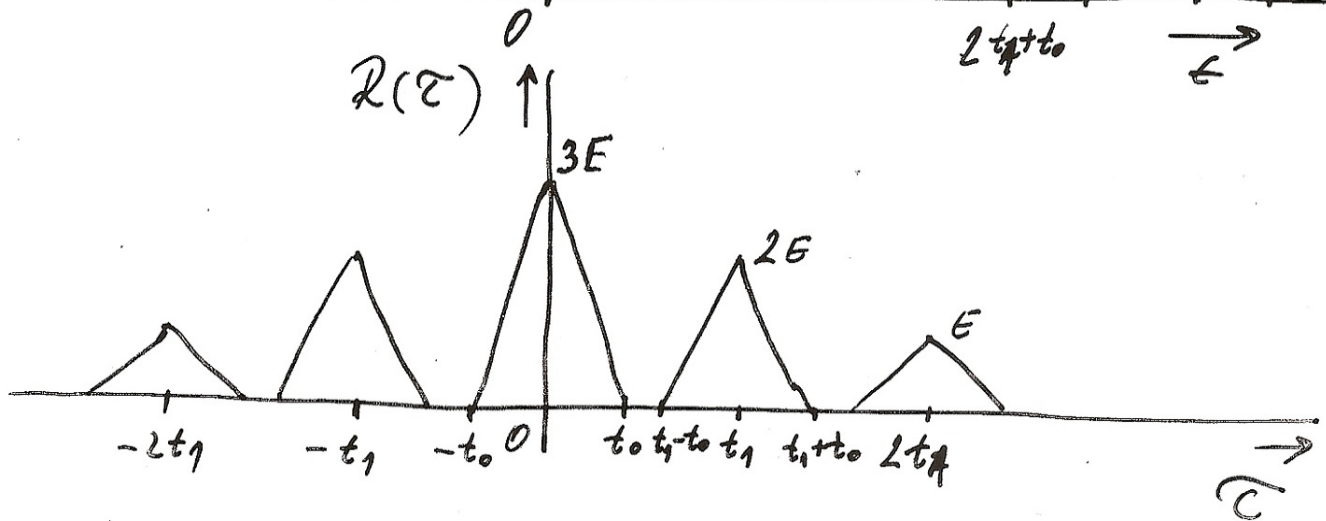
$x(t - \tau_0)$

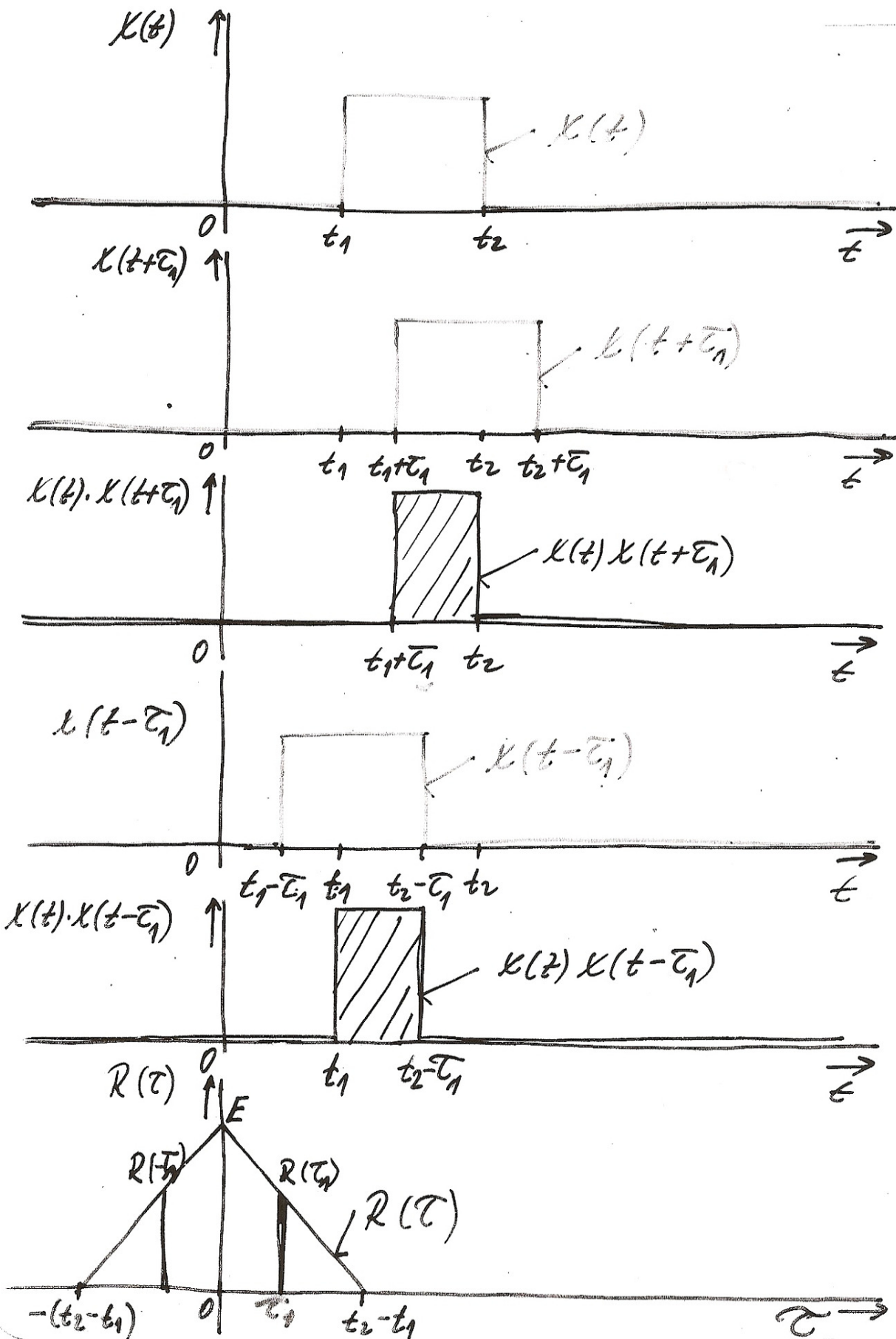


$x(t + \tau_0)$



$R(\tau)$





Korelácia

$$R_{12}(\tau) = \int_{-\infty}^{\infty} x_1(t) \cdot x_2(t+\tau) dt$$

