Tds Convolution 2(t)* y(t)=) se (T) y (t-T) dT $\times (f) = \pm (2(t)) = \int_{\Omega} 2(t) e^{-2j\pi ft} dt$ Transformer de fourier $z(t) = \tau f^{-1}(x(\xi)) = \int_{\Omega} x(\xi) e^{2j\pi\xi} t d\xi$ • TF (a, 2e (a) + a2 22 (t)) = a TF (2, (t)) + a2 TF (22 (t)). • $TF(x(t-t_0)) = e^{-2j\pi t}ft_0 \times (f)$ • TF(x(at)) = $\frac{1}{|a|} \times (\frac{1}{a})$ • TF($x \times y$) = $x \cdot y$ · TF(24)= X * 4. · So z(t) 5*(t) dt = So X(g) 4 x(g) df. 0 Sp (x(t)|2 dt = Sp (X(4)|2df. • TF (x * (+)) = x * (-1). 2 (t) ((t-to)= x (to) e z(t) $\xi(t-t_0) = z(t-t_0)$ • TF($\xi(t-t_0)$) = $e^{-2i\pi t}$ ■ TF(e2jtefot) = &(f-fo)- $W_{T}(t) = \sum_{\kappa \in \mathbb{Z}} \delta(t - \kappa T).$ Peigne de Dirac Henryside: v(t) = {7 pour t 20





