TCF- EDENHOZ seprole reale 2 spetto a simmetua hermitiano x11 = e u11) X(-P)=X*(P) + 0 $X(x) = \int x(x) e^{-j2\pi} dx$ _ t - j ziift -t(1+12a8) -t(1+j2π}) 1+1277 1+1208

$$\chi(t) = A \left(1 - \frac{|t|}{T}\right) \operatorname{rect}\left(\frac{t}{2T}\right)$$

·) tecremo di derivozione

$$\int \int \int y(t) dt = 0 \Rightarrow y(t) = 0$$

$$y(t) = i \pi x \times (t)$$
 => $x(t) = \frac{y(t)}{i \pi x}$ se $y(0) = 0$

$$\times$$
(P) = $\frac{AATsinc(PT)sin(=8T)}{12\pi}$ = $ATsinc^2(PT)$

Si pue onche fore on le restemo di convoluzione sopendo de le risuetato della convoluzione tre due vect.

$$|X(P)| = A \left(1 - \frac{|P+P_0|}{|B|^2}\right) \text{ were } \left(\frac{P+P_0}{|B|}\right) + A \left(1 - \frac{|P-P_0|}{|B|^2}\right) \text{ were } \left(\frac{P-P_0}{|B|}\right)$$

$$2 - 2 = 2$$

$$X(P) = A(P) \cdot e^{\frac{1}{12}} \cdot \frac{1}{12} \cdot \frac{1}{12} \cdot \frac{1}{12} = A(P) \cdot e^{\frac{1}{12}} \cdot \frac{1}{12} \cdot \frac{$$

$$\chi(t) = o_1(t-t_s)$$

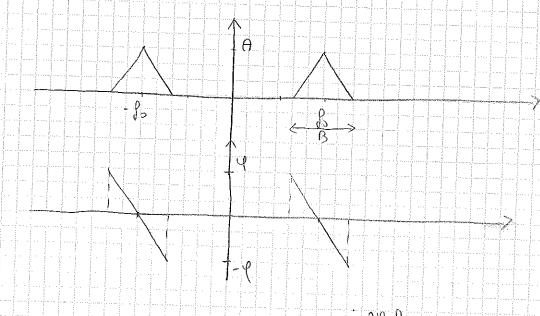
$$|y(t)| = \chi(t) \cos(2\pi\beta_0 t) \neq \gamma(p) = \chi(p-p_0) + \chi(p-p_0)$$

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$$\omega(t) = 2 \chi(t) \cos(2\pi f_0 t)$$

$$\chi_{0}(t) = AB \operatorname{Sinc}^{2}\left(\mathbf{t}B\right)$$

$$\chi(t) = AB \sin^2\left(\frac{B}{2}(t-t_0)\right) \cdot \cos\left(2\pi B(t-t_0)\right)$$



$$X_{\delta}(\beta) = A(1 - \frac{|\beta|}{\delta/2}) \text{ rest}(\frac{\beta}{\beta}) = \frac{3}{\beta} \frac{2\beta}{\beta}$$

$$\times$$
 (4) = \times (2-35) e + \times (2+35) e + \times (2+35) e

$$\rho_{o}(p) = 2 \frac{\rho}{B}$$

$$X(\xi) = Y_0(\xi - \xi_0) + Y_0(\xi - \xi_0)$$

$$\chi(t) = 2 y_0(t) \cos(2\pi \beta t)$$

$$\frac{-\sqrt{2\psi}}{6} f = \frac{1}{2\pi} f$$

$$\chi_{0}(t) = AB \sin^{2}\left(\frac{t}{2}\right)$$

$$y_{o}(t) = \frac{AB}{2} \sin c^{2} \left(\left(t - t_{o} \right) \frac{B}{2} \right)$$

oca devense les calles es delles es de les les seus es invera le reginale madulante e-traslata di to ITCF - Executions 6 - hopezie \times (ξ) -1/1 J Sluzione $\times(4) = \times_1(e) - \times_2(e)$ $X_1(P) = 2A\left(1 - \frac{|P|}{P_0}\right) \operatorname{rect}\left(\frac{P}{2R}\right)$ X2(P) $X_2(P) = A\left(1 - \frac{1PI}{\log 2}\right) \operatorname{rect}\left(\frac{P}{P}\right)$ $\chi(t) = \chi_1(t) - \chi_2(t) = 2A\beta_2 \sin^2(t\beta_0) - \frac{R_0A}{2!} \rho_1 nc^2(t\beta_0)$ II soluzione tes remo di integratione e duchità \times (+) = $(\gamma(+))$ of f $\int \sqrt{(\rho)} d\beta = 0$

$$\chi(t) = \int_{-\infty}^{6} g(t) dt$$
 $\Rightarrow \chi(t) = \frac{\chi(t)}{12\pi s}$

$$\times$$
 (P) = $\int \gamma(P) dP = \chi(P) = -\frac{g(P)}{2\pi}$

Se y (0) = 0

(Y(E)49-0

$$y(t) = A \sin \left(t \frac{b}{2}\right) e^{-\frac{1}{2}\pi t \frac{3b}{2}} - A \sin \left(t \frac{b}{2}\right) e^{-\frac{1}{2}\pi t \frac{3b}{2}}$$

immogratio puro e disponi

$$\chi(t) = A \sin \left(t \frac{p_3}{2} \right) \sin \left(\pi t 3h \right) 3h \pi$$

$$= A 3 \beta \overline{u} \operatorname{Sinc} \left(t \beta \right) \operatorname{sinc} \left(t 3 \beta \right)$$

$$\int g(t) dt = 0 = y(t) = 0$$

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$$\int g(t) dt = 0$$

$$\int g(t)$$

$$y(f) = \frac{1}{2\pi} \int x(f) = \frac{y(f)}{12\pi} \int \frac{y(f)}{f}$$

$$9(t) = AS(t+T) - AS(t-T) - 2A \operatorname{vect}\left(\frac{t+37/2}{T/2}\right) + 2A \operatorname{vect}\left(\frac{t-37/2}{T/2}\right)$$

$$\frac{1}{2\pi} \frac{1}{2\pi} \frac{3\pi}{2} = \frac{1}{2\pi} \frac{3\pi}$$

$$X(f) = \frac{A}{\pi \beta} \sin(2\pi\beta\tau) - \frac{A}{\pi \beta} \sin(\beta\tau) \sin(2\pi\beta\tau)$$

$$= \times (\mathcal{P}) \otimes \mathcal{I} \left[S(\mathcal{F} - \mathcal{F}_0) + S(\mathcal{F} + \mathcal{F}_0) \right]$$

TCFG-G-AM con fixe

$$= \times (P) \otimes \left[\frac{S(P-P_0)e^{-\frac{1}{2}} + S(P_1P_0)e^{-\frac{1}{2}}}{2} \right] =$$

$$= \frac{1}{2} \times (f-f_0) e^{i\varphi} + \frac{1}{2} \times (f+f_0) e^{i\varphi}$$

TCFG-G- Simusich' multicomponenti

$$\chi(t) = A \cos \left(2\pi \int_{a}^{b} t \right) + B \cos \left(2\pi \int_{z}^{b} t \right)$$

₽j e R

$$\times (P) = A \left[S(P-P+1) + S(P+P2) \right] + B \left[S(P-P2) + S(P+P2) \right]$$

Disegno.

$$\times (P) = A \left[S(P-P_1) - S(P+P_1) \right] + B \left[S(P-P_2) - S(P+P_2) \right]$$

$$\left[\chi(P) \right] + B \left[S(P-P_2) - S(P+P_2) \right]$$

$$j = e = GS(\pi/r) \cdot j \cdot Sin(\pi/r)$$

$$-j = e = e$$

$$-1 = e$$

$$= e$$

$$\chi(t) = \begin{cases} \cos^2(\bar{\mu}t/\tau) & \text{it} < \tau/2 \\ 0 & \text{otherws} \end{cases}$$

$$\chi(t) = \cos^2\left(2\pi t \frac{1}{2\pi}\right) \operatorname{rect}\left(\frac{t}{\tau}\right)$$

$$\cos^2(a) = \frac{1}{2} \frac{1}{2} \cos(2a)$$

$$\mathcal{Z}(+) = \left(\frac{1}{3} - \frac{1}{2} \cos \left(2 \ln \epsilon \cdot \frac{1}{\Gamma}\right)\right) \operatorname{rect}\left(\frac{1}{\Gamma}\right)$$

$$\times$$
 (P) = $\left[\frac{1}{2}S(P) - \frac{1}{4}\left[S(P+1) + S(P+1)\right]\otimes Tsinc(PT)\right] =$

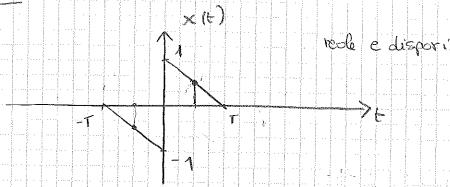
Ever I sinc
$$(fT)$$
 - T sinc $(T(f-1))$ + T oinc $(T(f+1))$

$$\chi(t) = \begin{cases} \frac{1}{2} \left(\frac{t}{1} + 1 \right)^2 & -\tau \le t \le 0 \\ \frac{1}{2} \left(\frac{t}{1} + 1 \right)^2 & 0 \le t < T \end{cases}$$

$$y(t) = \frac{1}{T} \left(1 - \frac{|t|}{T} \right) \quad \text{west} \quad \left(\frac{t}{2T} \right)$$

$$x(t) = \int y(0) dt = y(t) \otimes u(t)$$

$$X(P) = Y(P) \cdot U(P)$$
 $U(P) = \frac{1}{2}S(P) + \frac{1}{12\pi}g$



.) to vemo oh demusione

$$\int_{\infty} g(F) dF = 2 + \left(-\frac{1}{2} 27\right) = 0$$

$$y(\ell) = y_{2\pi} \ell \times (\ell)$$

$$\times$$
 (P) = $\frac{y(P)}{|z\pi|}$

$$y(t) = -\frac{1}{T} \operatorname{vect}\left(\frac{t}{2T}\right) + 2S(t)$$

$$y(t) = -2 \operatorname{sinc}\left(\frac{t}{2T}\right) + 2$$

$$Z(t) = \frac{1}{2} Z_{o}(t) : Gos \left(2\pi\beta_{o}t + \psi\right)$$

$$Z(t) = \frac{1}{2} Z_{o}(t) : \left(\frac{1}{2} - \frac{10}{2}\right) \operatorname{rect}\left(\frac{1}{2}\right)$$

$$Z_{o}(t) = \frac{1}{2} \operatorname{rect}\left(\frac{1}{2}\right) + \frac{1}{2}\left(\frac{1}{2} - \frac{10}{2}\right) \operatorname{rect}\left(\frac{1}{2}\right)$$

$$Z_{o}(t) : \frac{1}{2} \operatorname{same}\left(\frac{1}{2}\right) + \frac{1}{2} \operatorname{same}\left(\frac{1}{2}\right)$$

$$Z_{o}(t) : \frac{1}{2} \operatorname{same}\left(\frac{1}{2}\right)$$

$$Z_$$