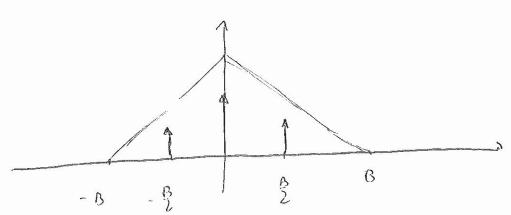
$$xtt1 = \sum_{n=0}^{\infty} next \left( \frac{t}{t^n} - \frac{2}{8}n \right) = \sum_{n=0}^{\infty} x_n t - n do$$

$$alt1 = B \quad m-c^{2}(Bt) \Rightarrow H(l) = \left(1 - \frac{12l}{B}\right) \quad nect \left(\frac{l}{2B}\right)$$

$$\times 121$$
;  $\frac{1}{r_0} \stackrel{7}{=} \frac{2}{8}$ 

$$=\frac{\beta}{2}\sum_{k}^{2}\frac{1}{2\beta}m^{2}\left(k\frac{\beta}{2}\frac{1}{2\beta}\right)\delta\left(l-k\frac{\beta}{2}\right)$$



$$\times$$
, =  $\times$ , =  $\frac{1}{4}$   $mc(\frac{1}{4})$  =  $\frac{$ 

Fy = 00

$$g(t) = \frac{1}{4} + \frac{\sqrt{2}}{2\pi} \cos\left(2\pi \frac{2}{2}t\right)$$

$$P_{y} = \frac{1}{16} + \frac{2}{16\pi^{2}} + \frac{2}{16\pi^{2}} = \frac{4 + \pi^{2}}{16\pi^{2}}$$

$$\chi_{olt1}: \left(1 - \frac{1t^{1}}{1/28}\right)$$
 rect  $\left(\frac{t}{1/8}\right)$ 

$$= \frac{\beta}{2} = \frac{1}{2\beta} = \frac{1}{2\beta} = \frac{1}{2\beta} = \frac{1}{2\beta}$$

$$X_0 = \frac{1}{4}$$
  $X_1 = \frac{1}{4} mc^2 \left( \frac{4}{4} \right) = \frac{1}{4} \frac{m^2 \left( \frac{1}{4} \right)}{\left( \frac{1}{4} \right)^2}$ 

$$X_{-1} = \frac{2}{\sqrt{1}}$$

$$\times \text{olt1:} \text{ rect} \left( \frac{t}{108} \right) - \left( \frac{1 - 101}{1128} \right) \text{ rect} \left( \frac{t}{1/8} \right)$$

$$\times 11^{-1} \frac{B}{2} \frac{Z}{x} \left[ \frac{1}{28} \text{ sinc} \left( \frac{x}{2} \frac{B}{28} \right) - \frac{1}{28} \text{ sinc}^{2} \left( \frac{x}{2} \frac{1}{28} \right) \right] \delta \left( \frac{1}{2} - \frac{x}{2} \right)$$

$$X_{\circ} : \underset{2}{\mathsf{B}} \left[ \begin{array}{cc} 1 & 1 \\ 2B & 2B \end{array} \right] = 0$$

$$X_{1} = \frac{B}{Z} \left( \frac{1}{2B} \frac{mn \left( \frac{1}{2} \right)}{\frac{1}{2}} = \frac{1}{2B} \frac{min^{2} \left( \frac{17}{14} \right)}{\left( \frac{17}{14} \right)^{2}} \right) =$$

ESERCIZIO 2 | FILM A

$$All = 2 \text{ mac} (2.8t) \text{ cm}(2 \text{ is } t + \frac{17}{3})$$
 $Xll = 2 \text{ mact} (\frac{1}{18}) \otimes \left[ 8(l - la) e^{i\frac{\pi}{3}} + 8(l + la) e^{-i\frac{\pi}{3}} \right] = \frac{1}{28} \text{ mact} \left( \frac{1}{28} \right) e^{i\frac{\pi}{3}} + \frac{1}{28} \text{ mact} \left( \frac{1}{28} \right) e^{-i\frac{\pi}{3}}$ 
 $P(l) = B \text{ mac} \left( Bt \right) = P(l) = \text{mact} \left( \frac{1}{8} \right)$ 
 $\frac{1}{18} \times \frac{1}{18} \times \frac{1}$ 

$$\gamma(1)$$
: 2 rect  $\left(\frac{E-8/4}{8/2}\right)e^{-\frac{1}{3}}$ 

ESERCIZIO 28 FILA

$$\times 161^{\circ}$$
 $\times 161^{\circ}$ 
 $= \frac{1}{28}$ 
 $= \frac{1}{8} \cdot \frac{$ 

$$= \frac{1}{2B} \operatorname{nuct} \left( \frac{1}{2B} \right) \otimes \left( \frac{3(1-B)}{2B} \right) = \frac{1}{2B} \operatorname{nuct} \left( \frac{1}{2B} \right) \otimes \left( \frac{3(1-B)}{2B} \right) = \frac{1}{2B} \operatorname{nuct} \left( \frac{1}{2B} \right) \otimes \left( \frac{3(1-B)}{2B} \right) = \frac{1}{2B} \operatorname{nuct} \left( \frac{1}{2B} \right) \otimes \left( \frac{3(1-B)}{2B} \right) = \frac{1}{2B} \operatorname{nuct} \left( \frac{1}{2B} \right) \otimes \left( \frac{3(1-B)}{2B} \right) = \frac{1}{2B} \operatorname{nuct} \left( \frac{1}{2B} \right) \otimes \left( \frac{3(1-B)}{2B} \right) = \frac{1}{2B} \operatorname{nuct} \left( \frac{1}{2B} \right) \otimes \left( \frac{3(1-B)}{2B} \right) = \frac{1}{2B} \operatorname{nuct} \left( \frac{1}{2B} \right) \otimes \left( \frac{3(1-B)}{2B} \right) = \frac{1}{2B} \operatorname{nuct} \left( \frac{1}{2B} \right) \otimes \left( \frac{3(1-B)}{2B} \right) = \frac{1}{2B} \operatorname{nuct} \left( \frac{1}{2B} \right) \otimes \left( \frac{3(1-B)}{2B} \right) = \frac{1}{2B} \operatorname{nuct} \left( \frac{1}{2B} \right) \otimes \left( \frac{3(1-B)}{2B} \right) \otimes \left( \frac{3(1-B)}{2B} \right) = \frac{1}{2B} \operatorname{nuct} \left( \frac{1}{2B} \right) \otimes \left( \frac{3(1-B)}{2B} \right) \otimes \left( \frac{3$$

$$= \frac{1}{28} \operatorname{nedt} \left( \frac{1}{28} \right) \otimes \left( 8(l-8) e^{-i\frac{\pi}{2}} + 3(l+8) e^{-i\frac{\pi}{2}} \right)$$

$$= \frac{1}{28} \operatorname{rect} \left( \frac{1}{28} \right) e^{-\frac{1}{5} \frac{E}{28}}$$

$$= \frac{1}{28} \operatorname{rect} \left( \frac{1}{28} \right) e^{-\frac{1}{5} \frac{E}{28}}$$

ESERCIZIO 2 | FILA 
$$\in$$

XLLI = 2 marc (28t) cos (2 168t +  $\frac{2}{3}$ 15)

XLLI = 1 necl ( $\frac{1}{28}$ )  $\otimes$  [ $\frac{1}{3}$ 16 |  $\frac{1}{3}$ 17 |  $\frac{1}{3}$ 16 |  $\frac{1}{3}$ 16 |  $\frac{1}{3}$ 17 |  $\frac{1}{3}$ 17 |  $\frac{1}{3}$ 18 |  $\frac{1}{3}$ 

$$P(b) = \frac{1}{8} \operatorname{rect}(\frac{1}{8})$$
 $Y(0) = 2 \operatorname{rect}(\frac{1-8/4}{8/2}) e^{-\frac{1}{3}i}$ 
 $Y(0) = 2 \operatorname{rect}(\frac{1-8/4}{8/2}) e^{-\frac{1}{3}i}$ 
 $Y(0) = 2 \operatorname{rect}(\frac{1-8/4}{8/2}) e^{-\frac{1}{3}i}$ 
 $Y(0) = 2 \operatorname{rect}(\frac{1}{8}) \operatorname{cos}(\frac{1}{2}) e^{-\frac{1}{3}i}$ 

$$T \left[ \begin{array}{c} t \\ \end{array} \right] = \int_{\alpha}^{t} x \left( d - t \right) d\alpha$$

. line ore

$$\int_{a}^{b} \left[c_{1} \times (d - b_{1}) + c_{2} \times 2(d - b_{2})\right] dl =$$

$$= c_1 \int_{0}^{t} x_1 \left( x - b_1 \right) dx + c_2 \int_{0}^{t} x_2 \left( x - b_1 \right) dx$$

$$x(t-t_0) \Rightarrow y(t-t_0)$$

$$t = \begin{cases} x(t-t_0) & d = \beta = 0 \end{cases}$$

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par recedenti a t

$$\nabla \left[ -\frac{t}{x} \right] = \int_{\alpha}^{t-t} x(x) dx = y(t)$$

51

c, x, (6) + C2 22 (6) => C, y, (t) + C2 y2 (6)

Stor or on a HO

x (t - t)

 $\begin{aligned}
t - t & \\
t$