信号分析。常二次伊生

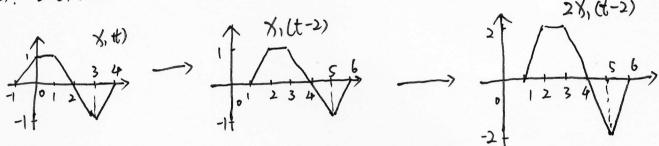
$$\int_{-10}^{10} \int_{-10}^{10} f(t-to) S(t) dt = \int_{-10}^{10} \int_{-10}^{10} f(t-to) dt = \int_{-10}^{10$$

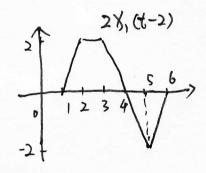
e).
$$\int_{0^{-}}^{\infty} (e^{t} + t) \cdot \delta(t+2) dt = 0$$

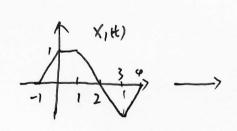
(4)
$$\int_{10}^{10} (t+sint) f(t-\vec{t}) dt = t+sint/t=\vec{t}=\vec{t}+\frac{1}{2}$$

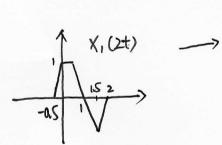
16).
$$\int_{-10}^{10} e^{-jut} I S(t) - S(t-t) dt = \int_{-10}^{10} e^{-jut} S(t) dt - \int_{-10}^{10} e^{-jut} S(t-t) dt = 1 - e^{-jut}$$

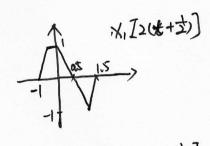
3, 31, 28, (t-2)





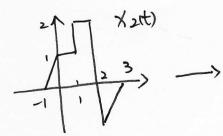


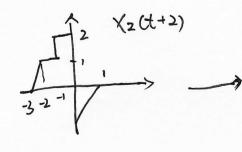


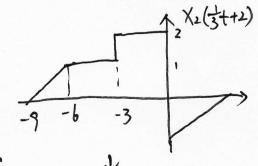


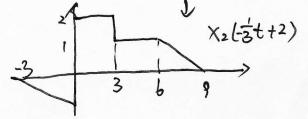


7) X2 (2-3)

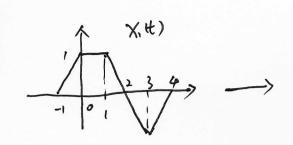




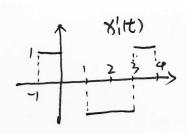




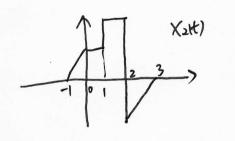
3.110)



表达成, 小历段出数.



(2).
$$X_{2}(t) = [2u(t+1) - u(t)] - [2u(t+1) - u(t+3)] + [2u(t+3) - u(t+4)]$$



表式, 的, 分段出級

$$\begin{array}{c}
0 & t^{-3} \\
1 & 2 + t \leq 3 \\
-3 & 3 + 1 \\
-3 & t = 1 \\
1 & -1 \leq t \leq 0 \\
0 & t = 1
\end{array}$$

$$\begin{array}{c|c} & & & & \\ & & & \\ \hline & & & \\ \hline & & & \\ \hline & \\ \hline & & \\ \hline & & \\ \hline & \\ \hline & & \\ \hline &$$

12),
$$\times 2tt$$
) = $[u(t-2) - u(t-3)] - 3\delta(t-2)$
+ $\delta(t-1) + [u(t+1) - u(t)]$

傅里叶级敏表达到. P101

17.11. 8H)= 634++ Sinbt.

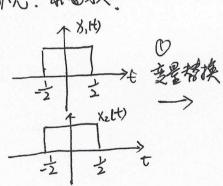
$$W=2$$
. $664t = 6052.W=t$. $62=1$

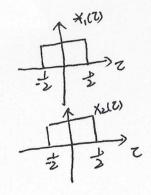
三角形式:
$$3H = \frac{Q_0}{2} + \frac{2}{124} (Q_0 COS N W + 3n Sin N W + 3n Sin$$

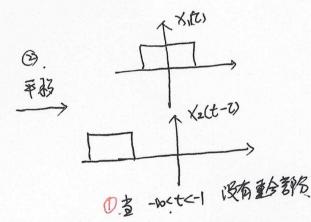
$$X(nwo) = \frac{1}{2}(an-jbn)$$

$$n=\pm 2$$
. $\chi(nw)=\frac{1}{2}(\alpha_2-\gamma_{02})=\frac{1}{2}$

孙充. 武卷积







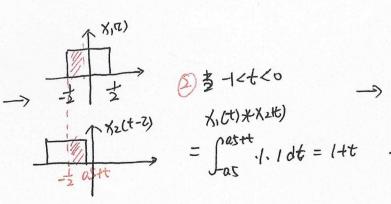
直接用欧拉公式展示

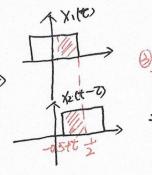
a=1 a=1

b3=1 b-3=-1

+= 10-73.4.

W2Wot+san3w=t





$$30 < t < 1$$

$$x_{2}(t-0)$$

$$x_{3}(t) + x_{2}(t)$$

$$= \int_{0.5+t}^{0.5+t} 1.1 dt$$

$$= 1-t.$$

X1(t) * X2tt) = 0