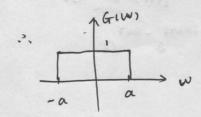
## 第三次谋后作业

## 119020910008 30

$$x^{2}(t) = x(t)x^{*}(t) = \sum_{n=-\infty}^{\infty} C_{n}e^{inwot} \sum_{m=-\infty}^{\infty} C_{m}e^{-imwot} \Rightarrow p = \frac{1}{7} \sum_{n=-\infty}^{\infty} \sum_{m=-\infty}^{\infty} C_{n}C_{m}^{*} \int_{0}^{T} e^{i(n-m)wot} dt$$

: 
$$C_n = \frac{1}{T_s} \int_{-T_s/2}^{T_s/2} P_s(t) e^{-in\frac{22}{T_s}t} dt = \frac{1}{T_s} \int_{-T_s/2}^{T_s/2} S(t) e^{-in\frac{22}{T_s}t} dt$$

$$X(w) = \int_{-\infty}^{\infty} \chi(t) e^{-jwt} dt = z \sin(\frac{wz}{z}) = z \frac{\sin(\frac{wz}{z})}{wz/z}$$
 
$$z = za : \chi(w) = \frac{z \sin aw}{w} = z\lambda \frac{\sin aw}{\pi w}$$
 
$$z = z\lambda \frac{\sin aw}{\pi w}$$



$$\begin{array}{c} (a) & : \alpha(t) := e^{-\alpha t^2} e^{-\lambda N t} dt := \int_{-\infty}^{\infty} e^{-\alpha (t^2 + \frac{\lambda N t}{2})} \frac{1}{\alpha t} = e^{-\frac{\lambda N t}{2}} \frac{1}{\alpha t} e^{-\frac{\lambda N t}{2}} \frac{1}{\alpha t} = e^{-\frac{\lambda N t}{2}} \frac{1}{\alpha t} e^{-\frac{\lambda N t}{2}} \frac{1}{\alpha t} = e^{-\frac{\lambda N t}{2}} \frac{1}{\alpha t} e^{-\frac{\lambda N t}{2}} e^{-\frac{\lambda N t}{2}$$

八条棒(号的超率是连续信号fit)影谱 Fitti的周期延招,重复周期即为条桶影率以多只有Ws> 2Wmax 时,作用期延招的过去钟相邻的个影谱不发生影域混叠。

= Ts = fit) e - ilw-nws)t = Ts = Tew-nws)