

期中考试

危国锐 516021910080

(上海交通大学电子信息与电气工程学院,上海 200240)

摘 要: 2022-05-04. 关键词: 词 1,词 2



Mid-term Exam

Guorui Wei 516021910080

(School of Electronic Information and Electrical Engineering, Shanghai Jiao Tong University, Shanghai 200240, China)

Abstract: 2022-05-04. **Keywords:** key1, key2



目 录

摘要	i
Abstract	
目 录	
1 诚信承诺书	1
2 问卷	
3 答卷	3
4 Cheat-sheet	6
References	



1 诚信承诺书



2 问卷



3 答卷

$$T(E2) = 1$$

$$-1.(1) \quad N(t) = \frac{1}{2} + \frac{1}{2$$



$$\begin{cases} y_{2i}[n] = 1 & C_{1}(-1)^{n} + G_{2} \cdot e^{n} \\ y_{2i}[-1] = 2, y_{2i}[-2] = -1/2 \end{cases} \Rightarrow \begin{cases} -C_{1} + \frac{1}{2}C_{2} = 2, \\ C_{1} + \frac{1}{4}G_{2} = -1/2 \end{cases}$$

$$\Rightarrow \frac{3}{4}G_2 = \frac{3}{2} \Rightarrow G_2 = 2 \Rightarrow G_4 = -1$$

$$y_{25}[n] = (2(-1)^{n} + (4 \cdot 2^{n} - \frac{1}{2}, N7, 0),$$

$$y_{25}[n] = 1, y_{25}[1] = 2$$

$$\Rightarrow \begin{cases} G_{7} + C_{4} = \frac{1}{24} \frac{3}{2}, \\ -G_{3} + 2C_{4} = \frac{5}{12} \end{cases} \Rightarrow C_{4} = \frac{4}{3}, C_{3} = \frac{3}{2} - \frac{4}{3} = \frac{1}{6}.$$

$$\Rightarrow y_{88}[n] = \left[\frac{1}{6}(-1)^n + \frac{4}{3} \cdot 2^n - \frac{1}{2}\right] u[n].$$

2.
$$\tilde{y}_{2i}[n] = \tilde{y}_{2i}[n] = (-1)^{n+1} + 2^{n+1},$$

 $\tilde{y}_{35}[n] = \tilde{y}_{25}[n-2] = \left[\frac{1}{6} (-1)^n + \frac{1}{3} \cdot 2^n - \frac{1}{3} \cdot 2^n - \frac{1}{3} \cdot 2^n \right] = 1$

-2-



$$= 1. \qquad S(t) = T_s \sum_{n} \int_{T_s} \int_{T$$

$$\Rightarrow$$
 sut) = $\sum_{k} e^{jk\Omega_{s}t} \iff \sum_{k} \alpha \pi d(\omega_{k} - k\omega_{s}) = : S(\omega)$.

$$\Rightarrow \quad \chi_{S}(t) = \chi_{S}(t) \leq \chi_{S}(t) \leq \frac{1}{2\pi} \chi_{S}(\omega) + \zeta_{S}(\omega) = \sum_{k} \chi_{S}(\omega - k\omega_{s}) = \chi_{S}(\omega),$$

$$\frac{1}{4s(t)} = \frac{1}{2s(t)} - \frac{1}{2s(t)} = \frac{1}{2s(t)} -$$

2. A
$$\chi(\omega) = \frac{\chi(\omega)}{3+3} + \frac{\chi(\omega)}$$

3.
$$\frac{1}{2}(\omega) = \frac{1}{-|\omega|^{n}} \frac{1}{|\omega|^{n}} \frac{1}{|\omega|^{n$$

4. (1)
$$\frac{1}{2}$$
 $\frac{1}{2}$ $\frac{1}{2}$

$$263: \quad \text{Y}_{2}(\omega) \rightarrow \emptyset = \underbrace{(y_{k})}_{-8-7} \rightarrow \underbrace{(y_{k})}_{7-8} \rightarrow \underbrace{(y$$

-3-



4 Cheat-sheet



References