数学作业纸

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8些DPT:

$$X(13) = H(-12-121)+31+(212-2121)$$

= $(1+12)+(3-312)i$

$$XU)=1+(15i-15)-3i+(215i+215)$$

= $(1+15)+(-3+315)i$

乙酰(X(n)= COI(妥 mn)

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3. 日证明: BPIL DFT[X(N)]= DFT[X(N)] $A_{k,my+n} = W_k^{X = B\widehat{X}}$ 其中WN AK, MYHO=AKA 故 A=[B,B,--·B]

X= AX= [B, B, ... B]X = B[IN, IN- IN]X = BR

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4. iJAR:

X(2+k) = 100 X(n)WN (2+k) $G(k) = \sum_{m=0}^{M+1} \chi(2m) W_{2}^{mk}$ $H(k) = \sum_{m=0}^{M+1} \chi(2m+1) W_{2}^{mk}.$

GIH-WHIE) = \(\biggree \biggre

= X(2+k)

- X(4+c)= G(K)-*WN+H(K) K=0.1--1