| | ((\$+\\$1+\)4112-3)- |
|-----|--|
| _ | EQUAÇÕES: X(t) = Siar ein 277) t EQUAÇÃO de SINTESE (*1) |
| _ | (*1) |
| | $a_{K} = \frac{1}{T} \int_{T} x(t) e^{-\frac{1}{2}K(2\pi T) \cdot t} \cdot dt$ $= \frac{1}{T} \int_{T} x(t) e^{-\frac{1}{2}K(2\pi T) \cdot t} \cdot dt$ $= \frac{1}{T} \int_{T} x(t) e^{-\frac{1}{2}K(2\pi T) \cdot t} \cdot dt$ |
| _ | T JT EQUAÇÃO de Amolise |
| | (*2) |
| | PARTE 1) |
| | (1) c) 2 intervolos -> [0,2],[2,4] |
| _ | PAMPA - ITIKIC |
| 2)_ | $Q_{K} = \int_{-1}^{2} t \cdot e^{-jK(4V_{2}) \cdot t} \cdot dt = -4 + (2e^{-j\pi K})(2j\pi K + 2)$ $(K^{2}T^{2})$ |
| _ | $\frac{1}{2} \int \left(\frac{1}{K^{\alpha} \cdot \Gamma^{2}} \right) \left(\frac{1}{K^{\alpha} \cdot \Gamma^{2}} \right)$ |
| _ | |
| *21 | $Q_{K_{2}} = \int_{-1}^{4} t \cdot e^{-jK(T_{2})} t \cdot ok = -\left((2e^{-jT_{K}})(2jT_{K+2})\right) +$ |
| _ | n 1 |
| - | (-2:TK/ 10 -2:TK/ |
| - | + ((2e-2;TK)(4;TK+2)) |
| - | (6.71) |
| 100 | 1 (4 -jK(TV2)t H-iB(e-jtK-e-2jtK) |
| Md. | htt |
| | <u> </u> |
| *2) | ax= 1 (tein(Ma)t. dt - (tein(Ma)t. olt +4 ein(Ma)t. dt |
| 1 | ah = 4 |
| | |

(e-stk-2;(e-stk))+((e-stk)(2;TK+2) K2T2 Z an eik(T/2)t orreolomolodos $\rightarrow [0,5,3,5],[1,5,2,5]$ e-3 K(1/2) t. 06 e-ik(T/2)t.dt+ 0,5 241 2 Km ; K(W2) 6 tilibra



C-3) 2 intervols -> [-1,1], [1,3]

 $a_{K} = \frac{1}{4} \left(\int_{-1}^{1} t+1 e^{-\frac{1}{2} T_{2} K t} dt + \int_{-1}^{3} t e^{-\frac{1}{2} K T_{2} t} dt + \int_{-1}^{3} e^{-\frac{1}{2} K T_{2} t} dt \right)$

 $a_{K} = -i3\left(\frac{e^{-i\pi K}/2}{2-e^{-i3\pi K}/2}\right) - \left[\frac{2}{2}\left(\frac{e^{-i\pi K}/2}{2} - \frac{e^{-i\pi K}/2}{2}\right)\right].$

- 1 + (e-jkm2(j1/k+2)) + (eint/2(j1/k-2))
- 14 KT (1/2) (jnn)/(n)
- 2 K2 T1 2

2 K2 T1 2

- (e-j3TK/2 (;3TK+))

Sak eithe

C-4) 2 imparolos [0,25, 1,75] e [0,75 e 1,25]

an= 1 (e-innt oft + [8-innt oft)

QH= - j (e tithy - e-itthy) - j (e-tistry - e-istry)
2HT
2HT

Zanejkut.

(tilibra)