m, (6) = Sin(w) 10 $ws: \frac{2\pi}{T_1} \rightarrow fs: \frac{1}{T_1}$ 13 14 (2 15 17 از آن کم کا نداسس از جو که 22 TANDIS

Subject:

..... Month:...... Day;......() . (59 10 11 () + n[n-e) → Nak. e 21 ak 1/2 12 = N e j k 24 e (a ,) 2 13 14 15 16 e jikun aik 17 18

 $n[n+1] - n[n] + n[n-2] \longrightarrow e^{-n} \alpha_k - \alpha_k + e^{-n} \alpha_k$ $2[n] \qquad n[n] = n[n] = n[n]$ $2[n] \qquad n[n] = n[n] = n[n]$

N=5 - a = 1 [1e 5 + 2e 5 + 4e 5 x8] a. = 1 [e, 2e+4e] = 7 | a = 1 [e + 2 e] = 7 | 4e 5] = $\alpha_2 = \frac{1}{5} \left[e^{8nj} + 2e^{\frac{36}{5}nj} + 4e^{\frac{32nj}{5}} \right] \alpha_3 = \frac{1}{5} \left[e^{12nj} + 2e^{\frac{54}{5}nj} + 4e^{\frac{16nj}{5}} \right]$ ay = 1 [e 16nj + 2 e 72nj + 4 e 5 nj) as = [e 2nj + 18nj + 4 e 16nj] N=8 → Q = = | Se + 4e + 5e $jk\frac{2n}{8}x^{2}$ $jk\frac{2n}{8}x^{6}$ $jk\frac{2n}{8}x^{5}$ $jk\frac{2n}{8}x^{4}$ $jk\frac{2n}{8}x^{3}$ $jk\frac{2n}{8}$ $= \frac{1}{8} \left(3 e^{\int \frac{20}{8} \times 8} \left[e^{\int \frac{20}{8} \times 2} + e^{\int \frac{20}{8} \times (-2)} \right] + 4 e^{\int \frac{20}{8} \times 8} \left[e^{\int \frac{20}{8} - \frac{20}{8}} \right]$ $=\frac{1}{8}\left(6e^{\frac{2\pi jk}{2}}+8e^{\frac{2\pi jk}{4}}+5e^{\frac{2\pi jk}{4}}\right)$ 4 e Cos (1 k) = e 2njk [3 cos (1 k) + 3 cos (1 k) + 5] - $\alpha_0 = \frac{23}{8}$ $\alpha_1 = \frac{5}{8} + \frac{3\sqrt{2}}{4}$ $\alpha_2 = \left[-\frac{3}{4} + \frac{5}{8} \right] = -\frac{1}{8}$ 03 = - 352 + 5 04 = 3 - 3 + 5 = - 1 05 = -35 + 5

	Year: Month: Day; ()
,	v(t) = g(t) sin(uont) = 2(t) sin(uont) = cos(200t)sin2(6
-	2 Sin3 (4000) = 1 Cos (2006) (1- Cos (8000)) + Sin(4000)(1-
-	
-	= 1 Col (2008) - 1 Sin (10016) - Sin (6018) + Sin (4018)
5	
6	1 Sin (12016) - Sin(4016)
7	
8	ا فاریس در ، نیای باند ۱۹۵۸ :
9	Output & 1 cos(200t)
0	
1	
12	$m(t) = c_{ss}(2nf_m t) \qquad C(t) = c_{ss}(2nf_c t) \qquad (7)$
i	M(j~) = 17[8(w+2nfm) + 8(w-2nfm)]
1	C(jw) = 17 [8 (w+2nfc) + 8 (w-2nfc)]
5	
16	S AC [- (6) 6) 60 (6) 2 (1) 5: (0) (1)
7	SSSB = AC [m(6) Cos(20 fe 6) + m(6) . sin (20 fe 6)]
1	m/4> FT 4/4 - 5/4 4/5 - 5
19	m(6) FT, M(j~) = n(8(21 fm+4) + 8(4-20 fm))
	· · · · · · · · · · · · · · · · · · ·
0	
1	
2	
3	

Subject: ... Year: Month: Day: h(t) * C2(t) x(ju) = M(ju). C, (ju) + M(ju). C2(ju) (216) 2 losin (1500 (n6) M45-) n-2nj 160,000 Ce (ju) 10 11 1/2 12 H (j-). (2 (ju) > 4(6) = COS(16 = K nt) 13 14 f 2 1600,000 COS (160 Knt) 15 16 17 LSSB 18 15 980 000] 20 21 22 23 TANDIS

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