



	1
—	
	[00010011]
77	
	-1 1 0 0 0 0
	V= -1 1 0 1 0 0
-	
79	0 0 0 1 1
	1 0 0 0 0 0
	1001100:07
7	/ 0 /
	$(A-I)U_S=U_4$
-	$B'=0, \chi'=1, \alpha=-1, \nu_{4}=1$
4	
777	
-5	\ 0 /
<u> </u>	
	$A = V J V^{-1}$
-5	
	$f(A) = V f(I) V^{-1}$
	$J_{3}(\lambda) = (\lambda) J_{3}(\lambda, \varepsilon) = (\lambda)$
	(0 λ / (0 λ +ε /
-	
=	
	[b -ε] \ b /
	$\left[\lambda_{2}\mathbf{I} - J_{2}(\lambda \in)\right]_{U_{2}} = \left[\epsilon - 1\right]_{U_{2}} = 0 \Rightarrow U_{3} = \left[1\right]$
	1 1 1 1
.	[00] (€)
	$T = (U, U_2) = \begin{pmatrix} 1 & 1 \end{pmatrix} T^{-1} = \begin{pmatrix} 1 & -4l_2 \end{pmatrix}$
-8	
	\ 0 e / \ 0 1/\(\epsilon\)
	$f(J_{\lambda}(\lambda, \epsilon)) = Tf(\lambda)T^{-1} = \begin{bmatrix} 1 & 1 \end{bmatrix} f(\lambda) O \begin{bmatrix} 1 & -1/\epsilon \end{bmatrix}$
	O ε O f(λ+ε) O 4/ε
	$= \left[f(\lambda) + f(\lambda + \epsilon) - f(\lambda) \right]$
	ξ .
	$\varepsilon \to 0$ $f(J_2(\lambda, \cdot) = \lim_{x \to 0} f(J_2(\lambda, \varepsilon)) = f(\lambda) f'(\lambda)$
	$[of(\lambda)]$
-	
	,
R	Scanned with CamScanner

	t).t)	= T f (1	Vf) I_(=	[1		ο f(0,4ε) t)	10
$ \left(\delta = \varepsilon t\right) = \frac{1}{\varepsilon} = \frac{1}{\delta} $	f(x	(+)	$\frac{t}{\delta} \left(\frac{f(\lambda t)}{\delta} \right)$	+8) - f(λt) (λt +8)			
f(J ₂ (), t	<u>,t) =</u>	liw f (]	[<u>*(λ,t),t</u>)= [f(xt)		(\(\lambda\) \\ \(\lambda\) \\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
		t(Vf)	t ξ'(λŧ)	$\frac{t^2}{a!}f''(\lambda t)$) t ^{k-1}	() t () () t () () () () () () () () () () () () ())
F(J, (A)	7) =		4(\t)	t f '(λt'		(r-3);	²⁾ (2t)
				f(\(\lambda\tau\)	٠		
		,				f(\(\lambda\tau\)	
-	$\left\{\begin{array}{c} e^{\lambda t} \\ 0 \end{array}\right.$	te ^{λι}	$\frac{\int_{3i} e_{yf}}{f_z e_{yf}}$	t(k-1)	1) e h + 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
e_Tr(Yf) =	0	,)[e _{γf}		(t-2)l	,	
-	- ; -			, ,			
ls.	0	1.11		e^{λ}	+		
-			6 2 1 1				
		4.		1 11 3			

T	f(z) διαμριτού χρόνου ×(ε+1) ≈ A×(ε) → ×(ε) = A*χ(ο)
_	A ^t = V J ^t V ⁻¹
	. Χροντα ės <u>Anoupi 6 ets</u>
	$\hat{x} = A\hat{x} + Bu$
_	y.=Cx+Du
_	$x(t) = e^{At} x(0) + \left(e^{A(t-s)} Bu(s) ds \right)$
_	$y(t) = Ce^{At} \times (0) + \left(Ce^{A(t-s)} Bu(s) ds + Du(t) \right)$
	o Suley se
	A stable
	(Hurwitz)
	$x(t) \rightarrow x^* Ax^4 + Bu^4 = 0$
	$y(t) \rightarrow y^{\dagger} \qquad x^{\dagger} = -A^{-1}Bu^{\dagger}$
	y = [D-CA-1B]u*
	$G(s) = C(s1 - A)^{-1}B + D$
	$Y(s) = G(s) U(s) + C(sI-A)^{-1} \times (b)$
	Θεώρημα Τελικής Τιμής: lim y(t) = lim s y(s) (av το y φτάνει
	6E MONIAN COLOR
	Για βηματιμή είδοδο: u(t)= (1, t = D
	10, 40
	lim y(t) = lim G(s) = G(0)

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