

dogs a solution for large tables a top large table as top large tables as top large tables as to be solved as the large table as to be solved as the large table as

Considere $\lambda = -1$: $(X = 0) = (X + X)^2 - (X = 0) = (X + X)^2 + (X = 0)^2 +$

Sometime is $(z_1) = y = 1$ and $(z_1) = (z_1) = (z_1$

estimaterar el e estártica $\left(\frac{1}{\varepsilon^{10}}\right)^{2-960}$ $\left(\frac{1}{\varepsilon^{10}}\right)^{2-960}$ $\left(\frac{1}{\varepsilon^{10}}\right)^{2-960}$ $\left(\frac{1}{\varepsilon^{10}}\right)^{2}$

$$\frac{\partial x}{\partial x} = -3x + 6x$$

Considere C= (4

extersion cox is- ε= κ είς + ε= κ ← 0= με + κ οι - με κ

 $\Rightarrow -2x + (1-3i)y = 0$ a superido y = 1 Jumbs x = (1-3i)/22 16 Election i/6/(i6-1)

2. para 7 = 3-3; Limes: (-1+3;

iE+1)=X comit 1= y abraque v 0= (4, iE+1) + x6 - ← 12) in Thration is (SI

large tapeter a ront

3(3) = C162 (22) 25 (23) = (8) 2

15 mea + (518) 15 cas) 25 as + caradiles al

& Times +

(a) Tote que det (A- AI) = 11

 $(X_1-y)-7\Rightarrow y_5-9x=0\Rightarrow y=0$ y=9 so

A. b. arlantus

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explacativa comas
$$L = K \ \iota \ 0 = K \ \text{20mil} \ (a) \ \text{mili alis} \ (a)$$

$$. L = K \ \text{axap} \left(\begin{array}{c} L \\ -1 \end{array} \right) = 2 \ \text{C} \ \iota \ 0 = K \ \text{axap} \left(\begin{array}{c} L \\ -1 \end{array} \right) = 1 \ \text{C} \ \iota \ \text{A} \ \iota \ \text{D}.$$

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atmatamas el est como (1)
26
 el 4 (1) 92 3 2

Tomos comos mobiles fundamental
$$\Phi(x) = (1 e^{2t})$$
.

Daí, comos $\Phi(x) = (1) = Id$, $\lim_{t \to 0} x$, in $\lim_{t \to 0} x = (1 - e^{2t})$.

 $(1 e^{2t}) = (1 - e^{2t}) = (1 - e^{2t})$.

Ossim
$$\underline{q}_{-1}(2) = \begin{pmatrix} 16-92 & -16-92 \\ 16-92 & -16-92 \end{pmatrix}$$

$$\frac{\partial a_{1}}{\partial x} = \frac{1}{2}(3) \left(\frac{1}{1} \frac{3}{2} - \frac{1}{1} \frac{3}{2} (e^{-33}) - \frac{3}{1} \frac{3}{2} \frac{3}{2} + \frac{3}{2} \frac{3}{2} + \frac{3}{2} \frac{3}{2} \frac{3}{2} + \frac{3}{2} \frac{3}{2} \frac{3}{2} + \frac{3}{2} \frac{3}{2} \frac{3}{2} + \frac{3}{2} \frac{3}{2} \frac{3}{2} \frac{3}{2} + \frac{3}{2} \frac{3}{2} \frac{3}{2} \frac{3}{2} + \frac{3}{2} \frac{3}{2}$$

$$= \Phi(8) \int (312 - 812) dy$$

$$=\underline{\Phi}(\chi)\int \left(\frac{46-97}{7}\right)\cdot g\chi =\underline{\Phi}(\chi)\left(\frac{-96-97}{7}\right)=$$

$$= \left(\begin{array}{cc} 7 & -6g_{2} \\ 7 & 6g_{2} \\ \end{array}\right) \left(\begin{array}{c} -96 - g_{2} \\ -2 & -96 - g_{2} \\ \end{array}\right) = \left(\begin{array}{c} -7 - 96 - g_{2} - 6g_{2} \\ -2 - 96 - g_{2} + 6g_{2} \\ \end{array}\right) = 5$$

The radioilred tragular amusi
$$(5-5-5)=(5)$$
 ($5=5$)

. Tenisperal car smileite

remit restemana colo carairas als abotim cha, carlo : cenispeman aar america che large cazula coma

 $X(X) = (-1)^{2} + (2)^{2} + (2)^{2} + (2)^{2} + (2)^{2} + (2)^{2}$ Sairàrlika exmalenza 63

Unakerrar cazuba amu gia (1X)=X una artraguo (d)

mas, (1d) = d'enbiaras, enataras sates mue à d'arras

. caixàdilea estraterres ed e 16

, cairarlilea citralema cax michmal sx e 1x comas 5.

Dai $AX + b = \dot{X} \Rightarrow \left(\begin{array}{cc} 1 & -1 \\ -1 & 1 \end{array} \right) + \left(\begin{array}{cc} b_1 \\ b_2 \end{array} \right) = \left(\begin{array}{cc} 0 \\ 0 \end{array} \right) \Rightarrow$

 $\Rightarrow \left(\begin{array}{cc} -7 & 7 & \chi & \chi & \chi \\ -7 & 7 & \chi & \chi & \chi \\ \end{array}\right) = \left(\begin{array}{cc} -\rho & g \\ -\rho & \chi \end{array}\right) \Rightarrow \left(\begin{array}{cc} -\chi & \chi & \chi & \chi \\ \chi & \chi & \chi \\ \end{array}\right) = \left(\begin{array}{cc} -\rho & g \\ -\rho & \chi \\ \end{array}\right) \Rightarrow \left(\begin{array}{cc} -\chi & \chi & \chi \\ \chi & \chi \\ \end{array}\right) = \left(\begin{array}{cc} -\rho & g \\ \chi & \chi \\ \end{array}\right) \Rightarrow \left(\begin{array}{cc} -\chi & \chi \\ \chi & \chi \\ \end{array}\right) = \left(\begin{array}{cc} -\rho & g \\ \chi & \chi \\ \end{array}\right) \Rightarrow \left(\begin{array}{cc} -\chi & \chi \\ \chi & \chi \\ \end{array}\right) = \left(\begin{array}{cc} -\rho & g \\ \chi & \chi \\ \end{array}\right) \Rightarrow \left(\begin{array}{cc} -\chi & \chi \\ \chi & \chi \\ \end{array}\right) = \left(\begin{array}{cc} -\rho & g \\ \chi & \chi \\ 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Note gran $X_1 - X_2 = -b_1 \Rightarrow X_1 = X_2 - b_1$. :- $-X_1 + X_2 = -b_2 \Rightarrow -X_2 + b_1 + X_2 = -b_2 \Rightarrow b_1 = -b_2$.

ile ilmostoras razulta amu rea iba (1X)=X, gorb

oras, sd-=1d eup lat (1d) = d zbraup, d + XA = X

estratemes ed e 16

$$gab' W = \begin{pmatrix} 1 & 0 & T \\ 0 & T & T \end{pmatrix}$$

(b) Tamos
$$e^A = 1 + A + A^2 + A^3$$

 $a! \quad 3!$

sup como la La Meg M = Ag <= 1-M CM = A amos, iol

$$6_2 = \begin{pmatrix} 0 & 0 & 6_3 \\ 0 & 7 & 0 \\ 7 & 0 & 0 \end{pmatrix}.$$

$$= \begin{pmatrix} -1 & -1 & e^{3} & -1/3 & -1/3 & a/3 \\ 0 & 1 & e^{3} & -1/3 & a/3 & -1/3 \\ 1 & 0 & e^{3} & 1/3 & 1/3 \end{pmatrix} \Rightarrow$$

$$\Rightarrow e^{A} = \begin{pmatrix} (e^{3}+2)/3 & (e^{3}-1)/3 & (e^{3}-1)/3 \\ (e^{3}-1)/3 & (e^{3}+2)/3 & (e^{3}-1)/3 \end{pmatrix}$$

$$\begin{pmatrix} (e^{3}-1)/3 & (e^{3}-1)/3 & (e^{3}+2)/3 \end{pmatrix}$$

: smiting the large tagulet ames tamit, (a) mili alit (a)

$$x(x) = c^{2} G_{0} \begin{pmatrix} 1 \\ 0 \\ 1 \end{pmatrix} + \lambda c^{2} G_{0} \begin{pmatrix} -1 \\ -1 \end{pmatrix} + c^{2} G_{2} \chi \begin{pmatrix} 1 \\ 1 \end{pmatrix}, com c^{2},$$

· sairàtilea situateura Ed e Ed.

	(9)
:X(x)=/-60 -60 63x / C1 /=	
(0 60 632 / XC3)	
1 60 0 637 / (13)	
VO.	
= / -1 -1 035 // (.)	
0 1 633 / 202	er ignorpresident and a second
() D P 35 (C3)	
1 1 0 6 1 1 1 1 3 1	
assim, Jennes M(3) = (-1 -1 638)	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
/1 0 637/	
Dai, tomando U(1) = M(1)M(0)-1 tomos	
$V(3) = (-1 - 1 + 63) \times (-1 - 1 + 1) = -1$	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
1 0 632 \ T 0 T \	
$= \left(-\frac{1}{1} - \frac{1}{1} + \frac{1}{1} $	
$\left(\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
1 0 0 35 / 1/3 1/3 1/3 1	
$= 3 \cup (3) = (2 + e^{35}) 3 (e^{35} - 1) 3 (e^{35} - 1) 3 $	
(-7+637)13 $(637+9)13$ $(637-1)13$	
$(-1+e^{35})13$ $(e^{35}-1)13$ $(e^{35}+213)$	
10 10 110 (6.21913)	
(d) Salsmos que U(1)=e JA, assim	
man or or and or	
$e^{3A} = (e^{33} + 2)13 (e^{33} - 1)13 (e^{33} - 1)13$	
$e^{3x} = \frac{(e^{3x} + 2)/3}{(e^{3x} + 2)/3} \frac{(e^{3x} - 1)/3}{(e^{3x} + 2)/3} \frac{(e^{3x} - 1)/3}{(e^{3x} - 1)/3}$	
(632-1)13 $(632-1)13$ $(632+9)13$	
1	
a source of the origin a (d) mili to mar agraragemen ont	
an exmangene, site is an its commit into into	
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