Dz N3 Bapunus 21.

Meglegeb

Timal: Ro glyn regum negmen muna madegur

Невесина перемина, к которой принопана переменные сина F(t)

Conjunitures repertoru patro Ro, noneperne cerene S, vouzenque No.

Cuesere nonzure brejanens BH), Y(0) = Y6

fuc - ysection. 3. cycline mouth none pa Bz=ce-mt

1. N=n; m=3n

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1) I(t)

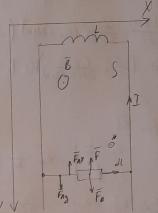
2) Y= Y(4)

3) Yunn 4) X(FAX) a Y(FAX)

5) E(+)

6) FA

1) gragour Ilas u V(t) V(0)



1) P= ((B, B) = BS FX. THE

- P(+) = B(+) S(t) = ce-mt, (y(+) = c/e-mty(+)

No 3. Papaged: E2 - It 2 - Cl de-mtyll) = -cl (e-3ntyl(t) - 3 De-3ntyl(t))

No ounter york gune my = FA-F FA=F(1)=-te

Come adingra df = I[dl, B]

FA - SIBAL SU(dlyB) = IB SAL SU(dlyD) = BIL

 $T = \frac{\rho(u)}{\beta L} = \frac{-te^{-nt}}{\beta L} = \frac{-te^{-nt}}{\rho \rho^{3nt} L} = \frac{4e^{2nt}}{cl}$ 

2) 3. Dua que Kergnopagnar gracina genu: RoI = 41-42+E.

I = 4e2nt /2-4= U= - Litt

Rote 24 = -24 re 24 + e - sn el (3 ny (+) - y 1 +)

Fig. 2  $u = -2L_1 \frac{n+}{cl} e^{2int}$  a perumit gup.  $y''(t) - 3ng(t)^2 - \frac{4n}{c^2l^2} (R_0 + 2L_1)e^{5nt}$   $V_{00} = ke^{3n}$   $V_{41} = \frac{-4}{2c^2l^2} (R_0 + 2L_1)e^{5nt}$   $V_{(+)} = V_{00} + V_{24} = ke^{3n} - \frac{4}{2c^2l^2} (R_0 + 2L_1)e^{5nt}$   $V_{(+)} = V_{00} + V_{24} = ke^{3n} - \frac{4}{2c^2l^2} (R_0 + 2L_1) + V_0$   $V_{(+)} = \frac{4}{2c^2l^2} (R_0 + 2L_1)e^{3nt} (1 + V_0 - e^{2nt})$ 

7 = (2022 (Ro+24 m) + 1

8) Vmax =  $\frac{dV(t)}{dt} = \frac{1}{2c^2l^2} (R_0 + 2L_1n) \left( 3ne^{3kt} (4 + V_0) - 5ke^{nt} \right) = 0$ Vulnp =  $V(t_0) = \left( \frac{3}{5} + \frac{V_0 e^2l^2}{5 + (R_0 + 2L_1n)} \right) \left( \frac{3}{2} V_0 - \frac{1}{2c^2l^2} (R_0 + 2L_1n) \right)$ 

1) Marighm Fn.

Finy = e [
$$\frac{t}{t}$$
,  $\frac{t}{B}$ ]

 $j = nev$ ,  $\Rightarrow v_{s} = \frac{t}{ne}$ 
 $j = \frac{t}{s}$ 
 $v_{s} = \frac{t}{ne}$ 
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Finy = e[ $v_{s}$ , B] = e $v_{s}$ B =  $-\frac{t}{nls}$ 

\$\\ \text{Fn} = e \( \text{Ev}\_y \) \\ \text{B} \\
\text{V}\_y = \text{y} = \frac{4}{2c^3 C^2} e^{3nt} \( (R\_0 + 2Ln) \) \( (3n + 5ne^{5nt}) \) \( + 3n \frac{4}{2c^2 V^2} \) \\
\text{Fn}\_p = -e \( (3n \) \( \frac{4}{2c^2} (R\_0 + 2Ln) + C\_{lo}^2 \) \( - \frac{5nt}{2c^2} (R\_0 + 2Ln) e^{2nt} \)

5)  $E = -grad \varphi = -\frac{d\varphi}{dx}$   $R(x) I = -\varphi(x) + \mathcal{E}_{y} \tau_{x} R(x) = \frac{R}{L} x \Rightarrow \varphi(x) = -R(x) I + \mathcal{E}_{y}$   $E = -\frac{d\varphi}{dx} = \frac{fR}{CLL} e^{2nt}$ 

6) Wholester gours FA = 2 Fny N = Fny nSL =-Nd te-nt =-te-nt

4)  $\frac{I(t)}{I_{mn}} = e^{-ht}$   $\frac{V(t)}{V(0)} = \left(\frac{t}{2c^2l^2k}(R_0 + 2Lh) + 1\right)e^{3ht} - \frac{t}{2c^2l^2k}(R_0 + 2Lh)e^{5ht} = (c+t)e^{5ht} - Ce^{5ht}$  $2ge C = \frac{t(R_0 + 2Lh)}{2c^2l^2k}$ 

2) 
$$V(t) = \left( \frac{1}{2c^2l^2} (R_0 + 2L n) + \frac{1}{6} \right) e^{2nt} - \frac{1}{2c^2l^2} (R_0 + 2L n) e^{5nt}$$

3) 
$$\frac{1}{2} = \frac{1}{2} = \frac$$

2) 
$$V(t) = \left(\left(\frac{4}{2c^{2}l^{2}}(R_{0}+2L_{1}n) + l_{0}\right)e^{2\pi t} - \frac{4}{2c^{2}l^{2}}(R_{0}+2L_{1}n)\right)$$
  
3)  $V_{max} = V(t_{0}) = \left(\frac{3}{5} + \frac{V_{0}C^{2}l^{2}}{5f(R_{0}+2L_{1}n)}\right)\left(\frac{3}{2}V_{0} - \frac{f}{2c^{2}l^{2}}(R_{0}+2L_{1}n)\right)$   
4)  $V_{max} = \frac{fe^{-nt}}{n \cdot l \cdot s}$   $V_{max} = \left(3h\left(\frac{f}{2c}(R_{0}+2L_{1}n) + cV_{0}\right) - \frac{5nf}{2cl^{2}}(R_{0}+2L_{1}n) + cV_{0}\right)$   
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5) 
$$E(t) = \frac{+R}{cL^2}e^{2nt}$$
  
6)  $P_A = -+e^{-nt}$ 

