

1) Numerical Answers

1) Restoration

Parameter Estimation

2) - Forward condition

- C1c

- Close all

- Byjus n(t)

- $D = \text{diff}(m)$

- $Dde = [\text{diff}(n, t, 2)] - [\text{diff}(n, t)] - (n \times r) = z$

$14 \times e^{4 \times 3 + 12.5}$

- Cond 1 = $\Delta(3) = -0.5$

- Cond 2 = $n(3) = 5$

- Cond 5 = [Cond, Cond 2]

- $\text{dsol}(t) = \text{solve}(ode, \text{conds})$

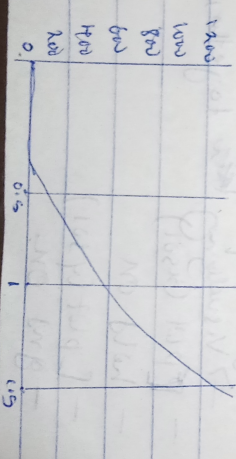
- $\text{dsol} = \text{simply}(dsol(t))$

- $t_n = [0:0.1:1.5]$

- $n = \text{subs}(dsol, t_n)$

- $\text{plot}(t_n, n)$

- grid on



8

- Round Division
- AC
- Clear
- Close all
- $y_{\text{axis}} = y(t)$
- eqn 1 = diff (y, t) = $2x$ = $\text{exp}(-2t)$,
- eqn 2 = diff (x, t) = $y = \text{exp}(-t)$,
- eqn = [eqn 1, eqn 2]
- $\text{cond} = x(0) = 0, y(0) = 20$
- Ans = solve (eqns, cond)
- $x_{\text{sol}}(t) = \text{Ans } x$
- $y_{\text{sol}}(t) = \text{Ans } y$
- [plot (xsol)] \Rightarrow Visualizing separately
- [plot (ysol)]
- grid on
- legend ('xsol', 'locatun', 'best')
- legend ('ysol', 'locatun', 'best')
- \Rightarrow Visualizing ~~to~~ together.
- [plot (xsol)]
- hold on
- [plot (ysol)]
- grid on

(10)

(1) - Forward winding

- Clew

- Clew

- Byjus kio ts [t] (s)⁴

- $Z = L^4 \text{exp}(-at) * \sin(5 \times 10^3 t) * \cos(3 \times 10^3 t)$

- (replace {2})

(11) - Forward winding

- Clew

- Clew

- Byjus (s)⁵

- $Z = (3.14 \times 2) / (s^2 - 2) + (5 \times 3.14 \times 5 + 2)$

$24 * (3.14 \times 3)$

- (replace {v})