Namis Gumpni) Ghosh Dipt 817 Rolls 00 1917001062.

BA>IC LINEAR CONTROL SYSTEMS Denpour time-involvent cystems (277) aux aclass of system userd in signors and systems that aur hoth lineau x lineaus gystoms orung sychoms whoms outputs four a sineau 10mwath of inputs our the same as linear combination inputs.

of individual unsponses to those inputs. Simp-invocationt systems aux systems where the output dosant depend on whish an input were expelied. Paropruties, 87. Det (FJ(+)) = FH (J(+)) // Scaling peropenty. QH(41(t)) -42(t)) = H(d1(t)) + H(42(t)) A supporposit puropporty. 3 H(y(+-T))= y(+-T)//2imp-jnvou/ont p.T.0

$$\frac{14(1)}{14} - 24(1) = 20(1)$$

$$\frac{14(1)}{14} - 7(0) = \frac{2}{5} + 24(0)$$

$$\Rightarrow 57(3) + 1 - 27(1) = \frac{2}{5}.$$

$$\Rightarrow 7(3) = \frac{2}{5} - 1 / (2 - 2)$$

$$\Rightarrow 7(3) = \frac{2}{5} - 1 / (2 - 2)$$

$$\Rightarrow 7(3) = -\frac{1}{5}.$$

$$\Rightarrow 7(3) = -\frac{1}{5}.$$

$$\Rightarrow 7(3) = -\frac{1}{5}.$$

1 (t) = ult

g(0) = -1.

$$\frac{\partial J}{\partial s} = \frac{d^2 v(s)}{ds^2} + \frac{\partial v(s)}{\partial s} + \frac{\partial$$

y - 2 y = 2 x

y (5) = M (2 + US+1).

y (5) = m 52 v (5) t = v(5) + t v(2)

P.T.O.

$$I = \frac{1}{\sqrt{s}}$$

$$h(s) = \frac{1}{\sqrt{s}}(s+b)$$

$$h(s) = \frac{1}{\sqrt{s}}(s+b)$$

so, most locus

The state of the s	7,07		V		
	pol175	l	ζ= -6.	j ^a se	
Accom	加加。	J	i i o		

$$h(s) = + /s(s+b)$$

$$polips = s = 0$$

$$s = -b$$

