JQ=m. L2 34.09/ Y = Y Y= &L Sins Jour = #1/2 Jb+ J2 Drehinjahls whath X = B-O d IP = EM Jaw = M#F.r W= 1 EM -AL F=R-druR13 is = Ipus (migk#F. R) 1 Fay W = M + KENTBRIZET Iges (m.p.L - Fryzrjæ KR) Y=L. sin B a) Br= Bo, i = 0, si = 0, a U = MR + K (BR-av) 3.V U= mg Lato KR (BR-arl3 -> dR= mg Lato-BR MR=-K/BOR-BOR-MGCOSTY--mgCostor () Bo = 0 -> MR = -mgLr da = ImgL

Alc) $\begin{aligned}
\sqrt{2} & \sqrt{2} & \sqrt{3} \\
d = 0 & C & \frac{dg}{dx} = \begin{vmatrix}
C & \cos \beta_0 \\
0
\end{vmatrix} = \left(L & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0
\end{aligned}$ A = KR 36RH2 O + KR 36RH2 O

Spu

O O O I

K-36RH2R O-KR 36RH2 O

11 - 3kkkdal? O 3kR Gilri IKRapri O -IKrapi d) Almbilli i mit reller Jord. Nermolfer a an - az = 0 -> Re (di) = 0, mill stympt. stolit - mill BIBO-1605.(By=0, P; P2 = 3

2) Q);) = Po Vn -Pn Vn + -Vn P2 N=[[, 0] = 36, 36, 15, 1 V1 = en. R-1 R-1= 1 - 1 - 36,-1 Vn= [1, -36,] K1 = -PO -P1 - 1 K2 = +36, 100 - Pa(ba-36,1) - (26,-3,1) or 1 4 6, 1 3-3,2 1 2b,-3, 1 11 Po=P1=0 iii) P= 2(2+8)-22+82 K1 = -1 K, = 36, ?-26, K1= -9-1 -> R=-K1-1 K, = -Q(1-3)-(2-3)=+2a+1 IV) trivialer Bookadle = -242-1 ex+1 = pex = 1 1/ex Stabilited langer or pob オー1 -1 -1 - (オー11 = 0 G 2 an EHK- s mill BIBO-stell -> hirister believely ashor b) GG= (5+901)(5+10)

Ta=45

(d) poles; 0, 5, -1 Pole si = etzra als mild spring fatige -> Not bei so in phereil mil so= == 95 9 Sinderland I, II, IV, V 1 0,5.0=0 $0.5 \frac{e^{-70}}{e^{-70}+1}$ } 2 Pole (aufgrollbor) I: 5000 | 0,5 + 95 +1 = 1000 | 97+9+25 - 2 + 5-2-0,5' -> will reell outspoll ha - Thousand willin Frage sld. Versterky 250 = 1001. 10 = 00 lin Tog G# 1+ Tog P - An 1+ 20 G# -> # V aus perchlosse, do stal Virsterking Realism barkeil (&(S) Impulsanhart: lin shis = 0,01.10 = 0,02 lin 6 (9) 9 = 907 for IV = 900 for IV Rilling

$$| z+1 - \frac{1}{6} | = |z+1| |z+1| + \frac{1}{6} | = |z+2+1|$$

$$= |z+1| + \frac{1}{6} | = |z+$$

ABSPURRILLASPE EXZ

Valve The Mark School of

1, =0,53 ->6c = 3 4a) 6(s)= (5,+2+0,5)(2,+62+65) U=75, -> PR= 45= 8/ = 470300 g2 = 3.01 p=-35 (学+学录+1)(学中学是3+1) E 1/3 31= 30 R1 = V. [[%] + % 30 +1] 5. ATTERNO (5912+59.23+1) -> It lucks erg[L1] | ac=3 = - \(\frac{1}{2} - atan \) \(\frac{3/9}{1-1/9} \) = \(\frac{1}{2} - \frac{1}{12} = \) 2/8/g = 15 C,= Ray = 5 + (1+58)? arg Lz - - 1/2 - 1/2 - 2. along = -36/4 2 (-1/2 - 1/2) = atast - 17 - 3 few 1/2 = 1/2 [68] [68] ! 1 = (4 %) 9 V = 9.81 [18] (68) (68) V=17.81. 11010 11. 11 16 217.81 $\frac{81}{4}$ $\frac{164}{17}$ $\frac{68}{17} = \frac{81}{17} 2.117' = \frac{162}{117}$

b) R(s)= 1 (1+ 5/50) $-) G(1) = \frac{36000 53}{1 + 255 + 52}$

+40.000 Santa 123 = 8 AB 125 = 10²⁵ S = 10²⁵

V A 1 co

AREHEPRILA FERZENÉRISCH

TARREL URENEFT SHOW

AD GEES LIVE