4002	Control	Engineering	Dummer '08
2) go = 0	90 = 001	(7(7)=	I g(k) £k
g, = 101	97=-0-15		4 g, £ 1 +
g2 = 0.8	98=0.02	30	5 - 91 2
93=-0-1	99=0-01	H(=1) = C(=	=) U(z) = G(z) 1-z-1
94=-0.4	g10 = 0		hiz-1 + hzz-2+
95=0.15	g = 0	_ Nº 4	N1 + 1/2 2 +
<u></u>	911		
(1-7-1) (h + h =-1	+ 1 = 2 + + 1	-(n-i) -n 1	(n+1) = go +g, I+
(1 2) (10) 11/2	NIZE TOOST VIN.	-, t + Mn t + Mn+1	= go +g, 7+
h = 90	7 \		
hi = gi + hi	- 3		
1 - 0			
h _o = 0	no= 1.65	1 1 1 3	
hg = 0	h1 = 1 1:	,5	
h2 = 109	h8=1-52	T v = v = v	
h3 = 1.8	hq = 1.53		
h4=1.4	hio = 1.53	u alti.	
hs = 1.55	hii = 1-53	a when 5	
2			
106			
			The state of the s
1.2			
1.2			
0.8		1	
0.4			
		- AAG	
1 2 3	4 5 6	7 8 9 10 1	1 12

	*
1a) Stability:	
G(Z)= 10/Z1+0.8	£-2-0.12-3
	1.0
	0-91=-0-662+0-5642=
1-1-1+0-8=-2-0-1=3	1 (= m 2 + 15)
	+0.728z7-0.091z-2
2-3 4	-0.728=1+0.091=2
	10-728x-1+0-556x-2
	0.6206=2
	0.62062-2+
	0,00
Potos @ z = 0-364	± 10.7
	12.6.1.1
1=1=0.789	g.,
· Lies within a	init circle
=> System i	n Atchlo
7,933.647.	3 73100300