SISTEMAS DINAMICOS (21) (05) 24) (Paola Andrea Herrera 2016 2005 881 Video 2 SISTEMA RE CONTROL POR REALIMENTACION PE ESTADOS G(5) = 20 (5+5), Con un overshot 0,5%. 1,5%. (5+1)(5+4) ts = 0,745egX1 (5) (05+205+100) 4(5) UB) 53+5545 , (53552+45) ×1 (S) = V(S) = x1+5x1-4x1=1 X1(5)  $\frac{X_1(5)}{Y(5)} = \frac{1}{5^3 + 55^2 + 45}$ X1 = 21 X2 = X1 13 = X1 = X x3 = - 5x3 - 4x2 + U (+K3 X3 -K2 X2 -K4 X1+5) X3 = - K1X1 - (4 + K2)X2 - (5 + x3)X3+5 det (SI - (A - 3K1) = 53+(5+K3) 5+ (4+K2) 5+K4 =0 (5+5,4-17,2)(5+5+ +17,2)(5+5.1)=T T= 5+ (5,9 5+136, 222 + 413, 83 = 0 53 + (5+K3) 52 + (4+K2) 5+K1 = 53+15,95 + 136,225+ 413 83 C51 K3) 52 = 15, 98 (A+K2) 5 = 136.228 K1 = 413.83  $5+K_3 = 15,95$   $K_3 = 10.9$ 4+42 = 136,22 K2 = 132 22.



