Homework E.11 - Solution

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			(ml²+m, 2c) transfer			l so the	
			52+ 60 bos		õ		
			har eyn				
		gens so					
	The dans	ed clar e	9 v 25	$d = S^2$	2 5 w 5 + w 2		

	Sola	(2)
E.11	$h_{\rho} = \frac{\omega_{n_{\rho}}}{b_{\rho}}$	
	$h_0 = \frac{2 \xi \omega_n}{5}$	
The	block deagram for the outer hop (since	koc = 1)
	$\frac{1}{2} \frac{1}{4} + \frac{1}{4} \frac{1}{4} = \frac{1}{4} $	
	$\frac{3}{4}$ $\frac{1}{4}$	
1	Le closed loop tous de function a	
	$\frac{2(s)}{s^2 - gk_{02}s - gk_{p2}} \frac{2^{d}(s)}{s^2 - gk_{p2}}$	
12	Lu = s'-gkoz s-gkoz	
1Le	deand closed loop char eg is	
	$\triangle cl = S^2 + 2\xi_1 \omega_{n_1} + \omega_{n_2}$	

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			ho;	- 25, 4 _{n2}			
			hp2 = -	Wnz			
	The	OC g	ice. of	the on	ter c	er dra	
			Koe, =	1			
			-ve.				
		30 = 2.	6519		Erz	= /0	
		tro = 1			ω_{Λ}	= 0.22	
		Wno = 2.					
					KPZ	= -0.0049	
		kp = 1			Koz	= -0,0317	
		Kop = 1.	173				
		koco = 1.					
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	-			4			