

Problems: Ogata, Ch. 5, 6, 8 (B-Problems) and Uraz Ch. 5, 6

HW No	B-5 (p. 330-336)	B-6 (p. 413-415)	B-6/Uraz (p.229-230)	B-8 (p. 612-617)	B-8 / Uraz (p. 231)
1	4, 12, 25	3, 9		10, 23	
2	9, 13, 26	4, 10		12a, 26	
3	10, 15, 28	5, 11		15, 27	
4	11, 16	7, 15	5.3	16, 28	
5	17, 27	8	5.4b, 5.6b	17, 29	
6	4, 15, 26	12	5.6h	30	6.2a
7	9, 16, 28	13	5.7		6.2b, 6.1/3c
8	10, 17	9	5.3, 5.6c		6.2c, 6.1/3d
9	11, 12	10	5.4b, 5.6d	12a, 23	
10	13, 27	11	5.4c, 5.6e	15, 26	
11	4, 17, 28	15	5.6f	16, 27	
12	9, 12		5.3, 5.6b,g	17, 28	
13	10, 13	3, 10	5.4b	29	6.2a
14	11, 15	4, 11	5.4c	30	6.2b
15	16, 27	5. 15	5.4d		6.2c, 6.1/3c
16	4, 13	7	5.3, 5.6b		6.2d, 6.1/3d
17	9, 15	8	5.4b, 5.6h	15, 23	
18	10, 16	12	5.4c, 5.7	16, 26	
19	11, 17	9, 13	5.4d	17, 27	
20	12, 25, 27	10	5.6c	28	6.2a
21	4, 16	11	5.4b, 5.6d	29	6.2b
22	9, 17	15	5.4c, 5.6e	30	6.2c
23	10, 12		5.4d, 5.6b,f		6.2d, 6.1/3c
24	11, 13, 25		5.6g, h		6.1/3d, 6.4a
25	15, 26, 27	3, 11		16, 23	
26	4, 12	4, 15	5.4c	17, 26	
27	9, 13	5	5.4d, 5.6b	27	6.2a
28	10, 15, 25	7	5.6h	28	6.2b
29	11, 16, 28	8	5.7	29	6.2c
30	17, 27	9, 12	5.3	30	6.2d
31	4, 15	10, 13	5.4d		6.1/3c, 6.4a
32	9, 16, 25	11	5.6c		6.1/3d, 6.4b
33	10, 17, 28	15	5.6d	17, 23	
34	11, 12		5.3, 5.6b, e	26	6.2a
35	13, 27		5.4b, 5.6f, h	27	6.2b
36	4, 12, 26		5.6g, 5.7	28	6.2c
37	9, 13, 28	3, 15		29	6.2d
38	10, 15	4	5.3, 5.6b	30	6.4a
39	11, 16	5	5.4b, 5.6h		6.1/3c, 6.4b
40	17, 25, 27	7	5.7	10	6.1/3d
41	4, 15, 28	8, 9		23	6.2a
42	9, 16	10, 12	5.3	26	6.2b
43	10, 17	11, 13	5.4b	27	6.2c

44	11, 12	15	5.4c, 5.6c	28	6.2d
45	13, 26, 27		5.6b, d	29	6.4a
46	4, 17		5.3, 5.6e, h	30	6.4b
47	9, 12		5.4b, 5.6f, 5.7	10	6.1/3c
48	10, 13	3	5.4c, 5.6b	12a	6.1/3d
49	11, 15	4	5.4d, 5.6h	23	6.2b
50	16, 27, 28	5	5.7	26	6.2c
51	4, 13	7, 9	5.4b	27	6.2d
52	9, 15	8, 10	5.4c	28	6.4a
53	10, 16	11, 12	5.4d	29	6.4b
54	11, 17, 25	13, 15		10, 30	
55	12, 27		5.3, 5.6b, c	12a	6.1/3c
56	4, 16		5.4c, 5.6d, h	15	6.1/3d
57	9, 17		5.4d, 5.6e, 5.7	23	6.2c
58	10, 12, 25	9	5.6f	26	6.2d
59	11, 13, 26	10	5.6g	27	6.4a
60	15, 27	7, 11	5.4d	28	6.4b
61	4, 15, 26	3, 9		30	6.2a
62	9, 16, 28	5, 15		12a	6.1/3c

- * **B-5** and **B-6** to be submitted by Friday of the 11th week
- * **B-8** to be submitted by Friday of the 14th week
- * All time responses, root-loci, Bode and Nyquist plots should be drawn by hand.

MATLAB Project: Provide MATLAB code for each step of your solutions (wherever applicable) in **B-6**, **B-6/Uraz** and **B-8/Uraz** with all appropriate MATLAB plots (i.e. all time responses, root-loci, Bode and Nyquist plots) of the considered systems.

- * To be submitted by Friday of the 14th week.

Uraz