

Homework #1

Show all of your work. Problems are from the text book *Discrete-Time Control Systems*, 2nd Edition, K. Ogata, Prentice Hall, Upper Saddle River, New Jersey, 1995. If MATLAB simulation is required, show your code that is well documented, as well as simulation results.

1. Problem A-2-10 (include MATLAB simulation)
2. Problem B-2-1
3. Problem B-2-7
4. Problem B-2-9
5. Problem B-2-14