



MATLAB R2020a

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C:\Windows\System32

Editor - C:\Users\HP\3D Objects\3-2\CS LAB\Untitled4.m

Untitled4.m

16 - step(b1,4);

17 - %% introduction of pd controller

18 - cont = pid(kp,kd);

19 - a2 = a*cont;

20 - b2 = feedback(a2,1);

21 - figure(3)

22 - step(b2,4);

23 - %% introduction of pi controller

24 - cont = pid(kp,0,ki);

25 - a3 = a*cont;

26 - b3 = feedback(a3,1);

27 - figure(4)

28 - step(b3,4);

29 - %% introduction of pid controller

30 - cont = pid(kp,kd,ki);

31 - a4 = a*cont;

32 - b4 = feedback(a4,1);

33 - figure(5)

34 - step(b4,4);

35 - %% comparision graph

36 - figure(6)

37 - step(b,4)

38 - hold on;

39 - step(b1,4)

40 - hold on;

41 - step(b2,4)

42 - hold on;

43 - step(b3,4)

44 - hold on;

45 - step(b4,4)

46 - hold on;

UTF-8

script

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18:50

10-02-2021