BATCH 4

EXPERIMENT NO 5

FROM MATLAB

BY

511805

511817

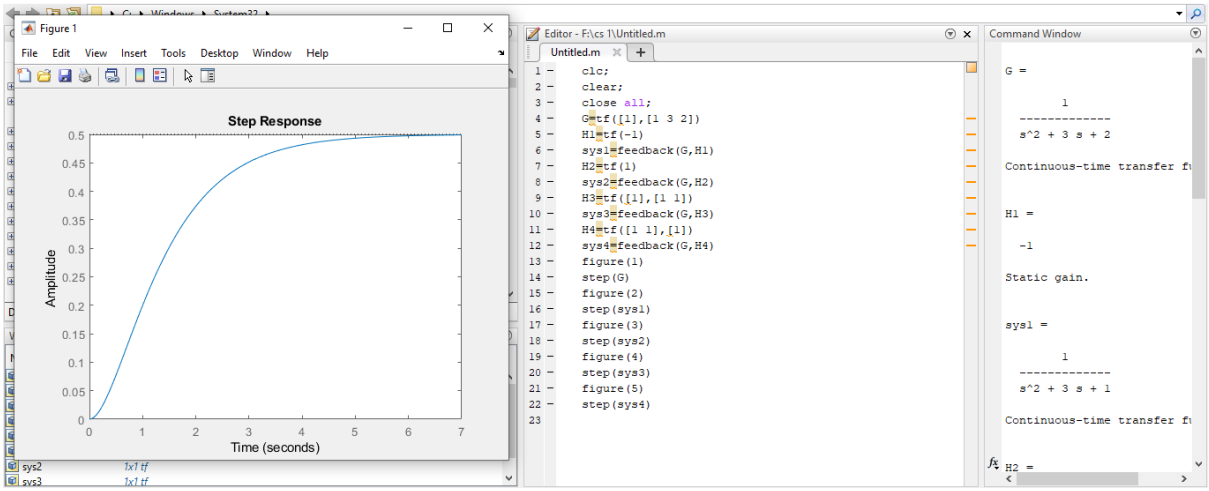
511832

511856

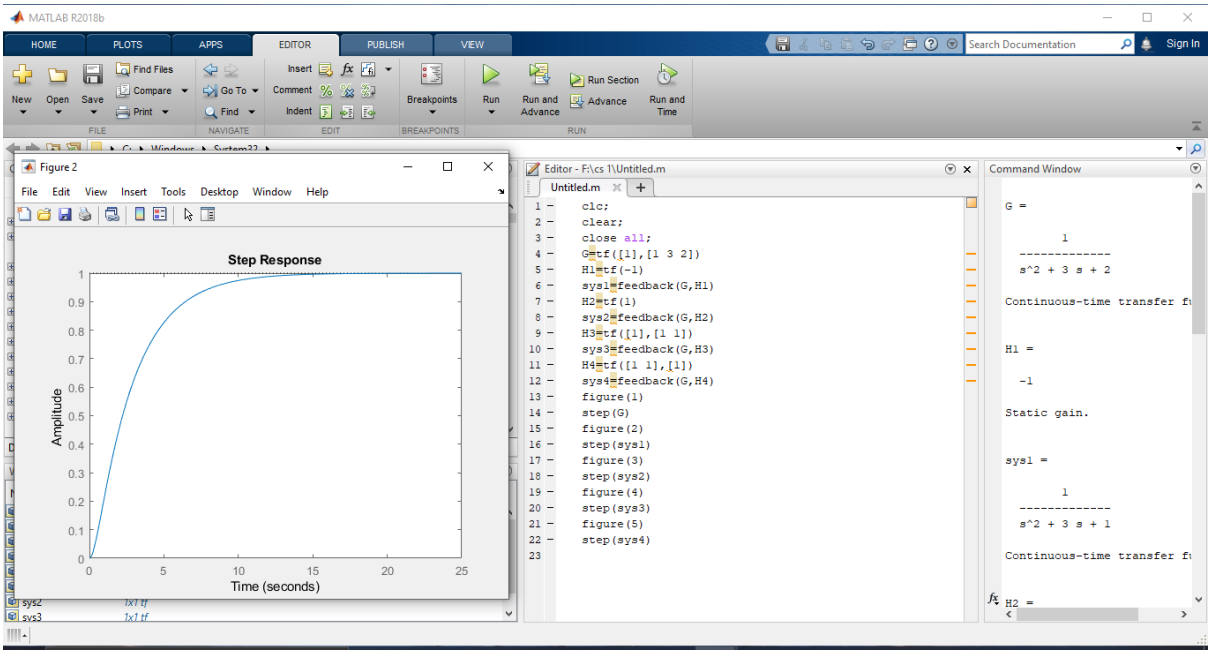
511869

1. G(s)=1/(s+1)(s+2)

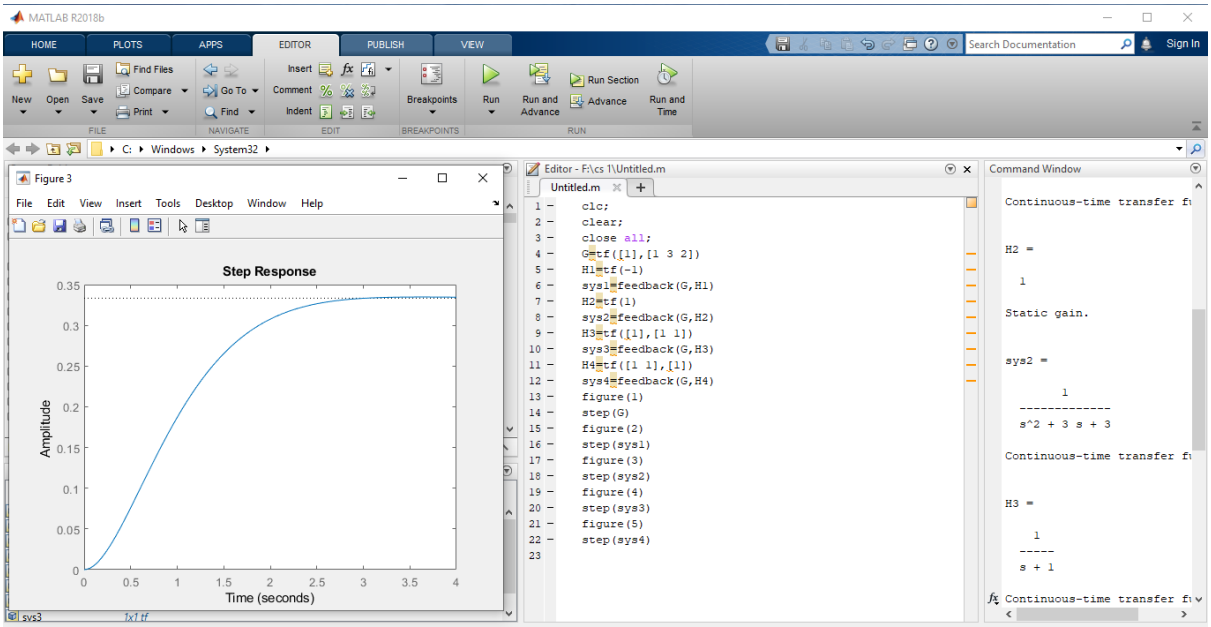
For Open loop response



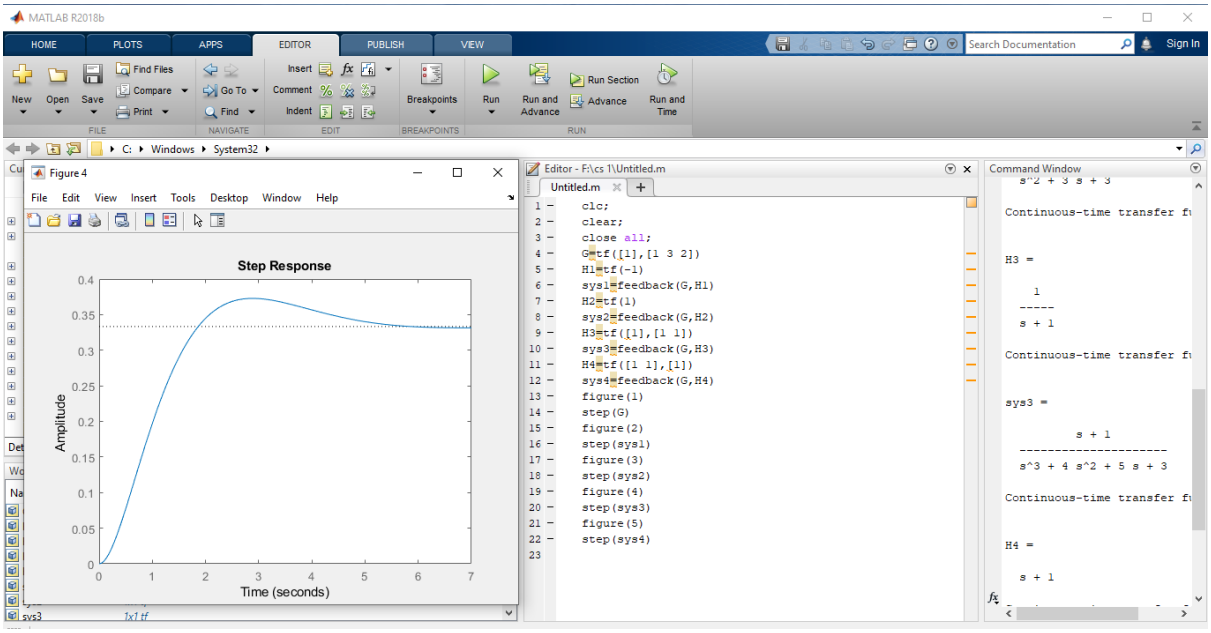
For closed loop with positive unity feedback for unit step input



For closed loop with unity negative feedback for unit step input

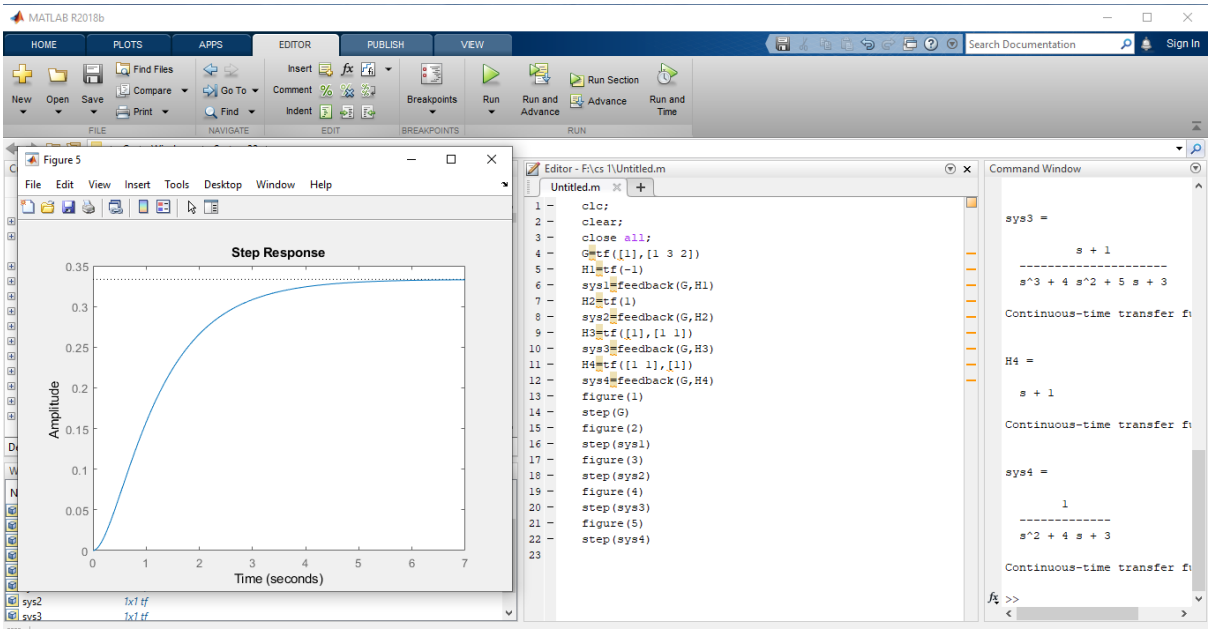


For closed loop with negative feedback of pole at s= -1 for unit step input



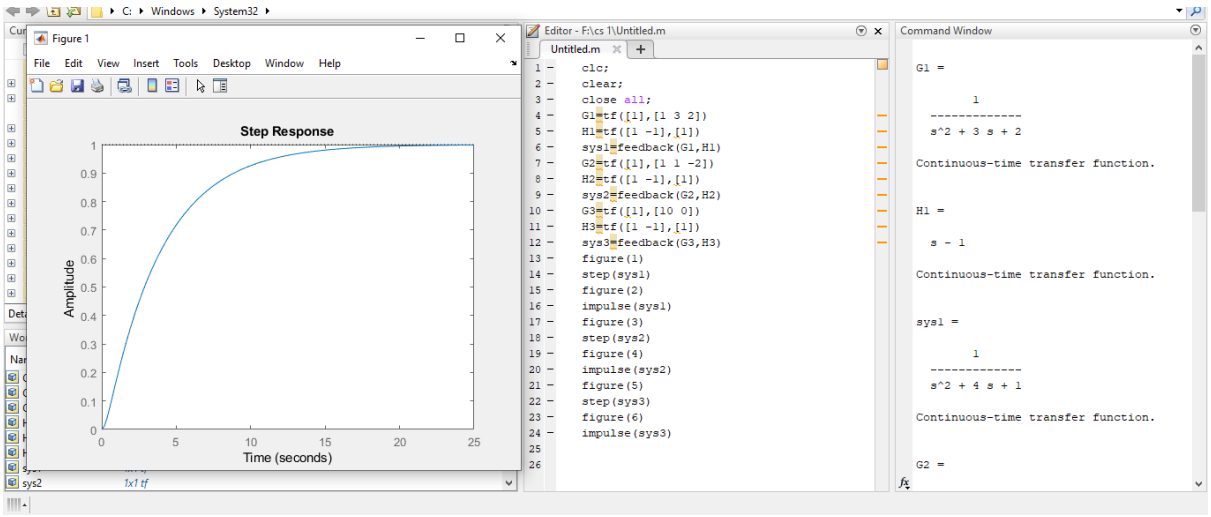
For closed loop with negative feedback of zero at s= -1

for unit step input

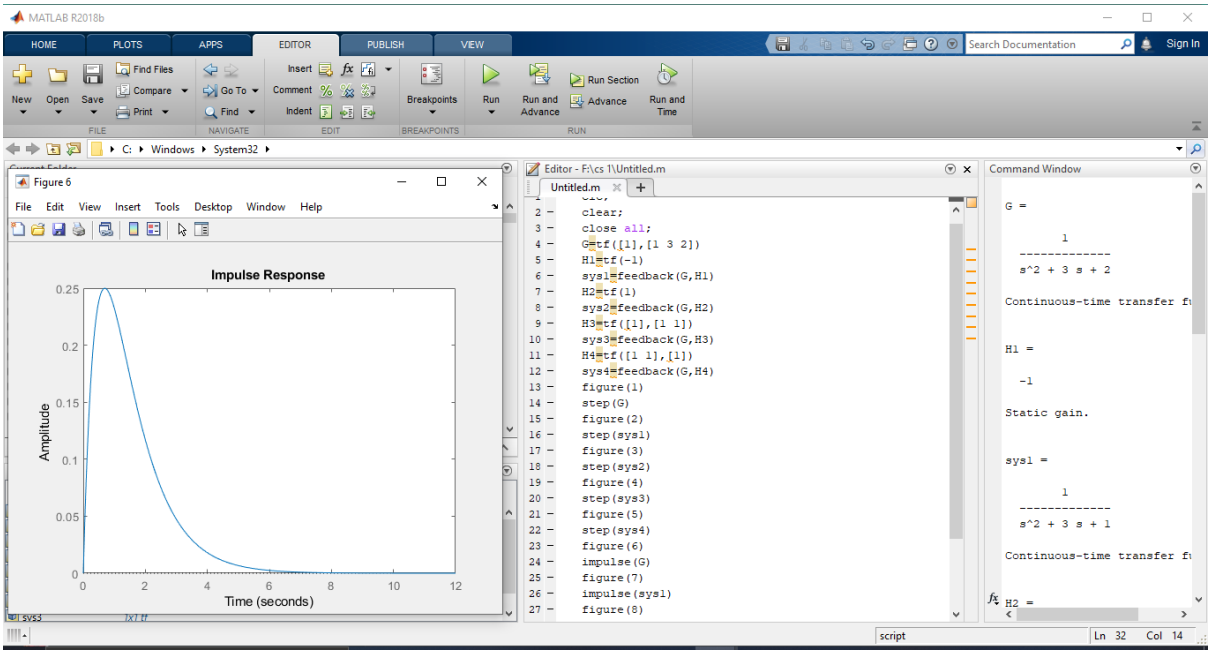


For closed loop with negative feedback of zero at s= 1

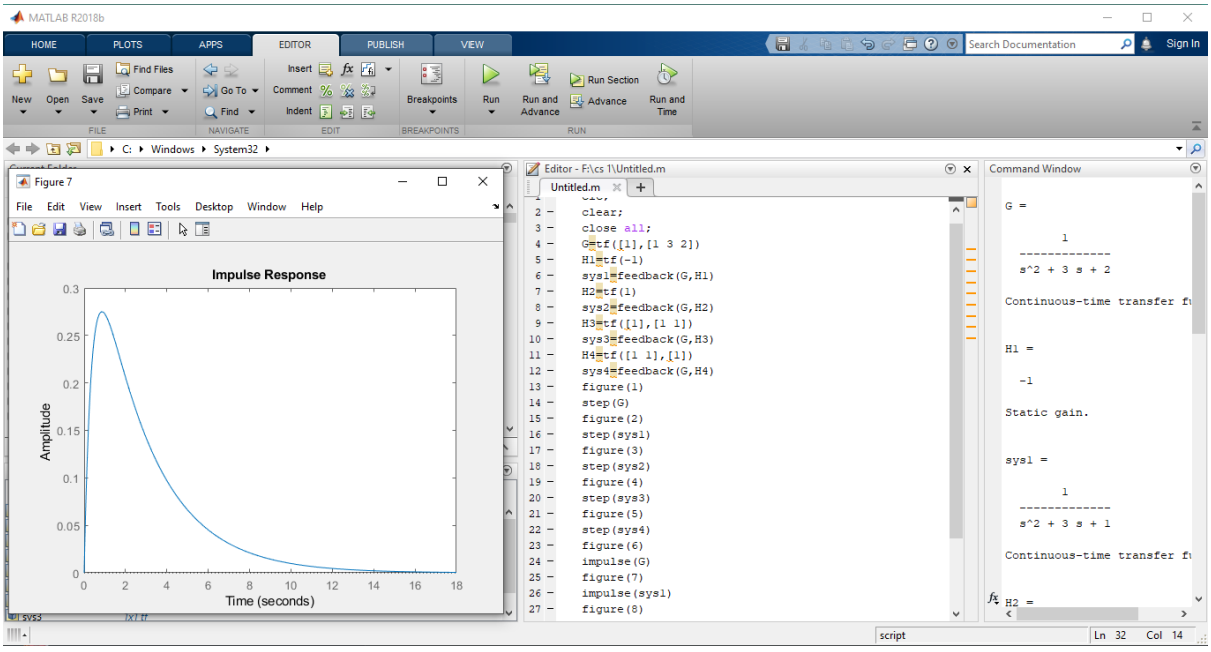
for unit step input



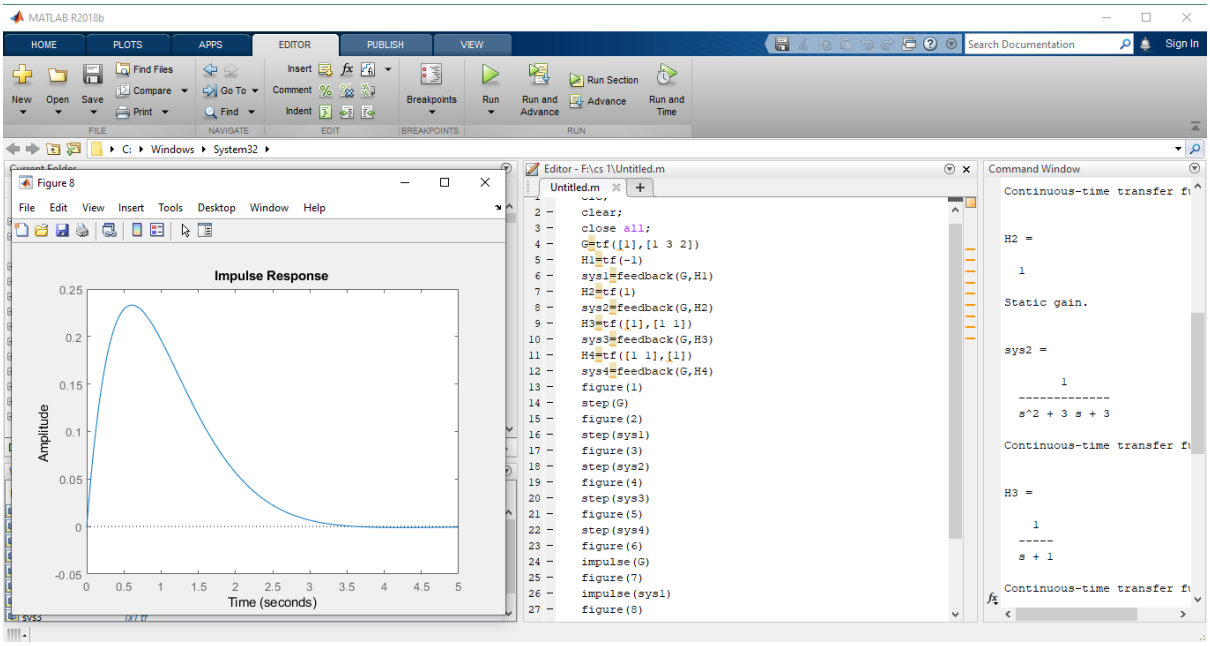
For open loop with impulse input response



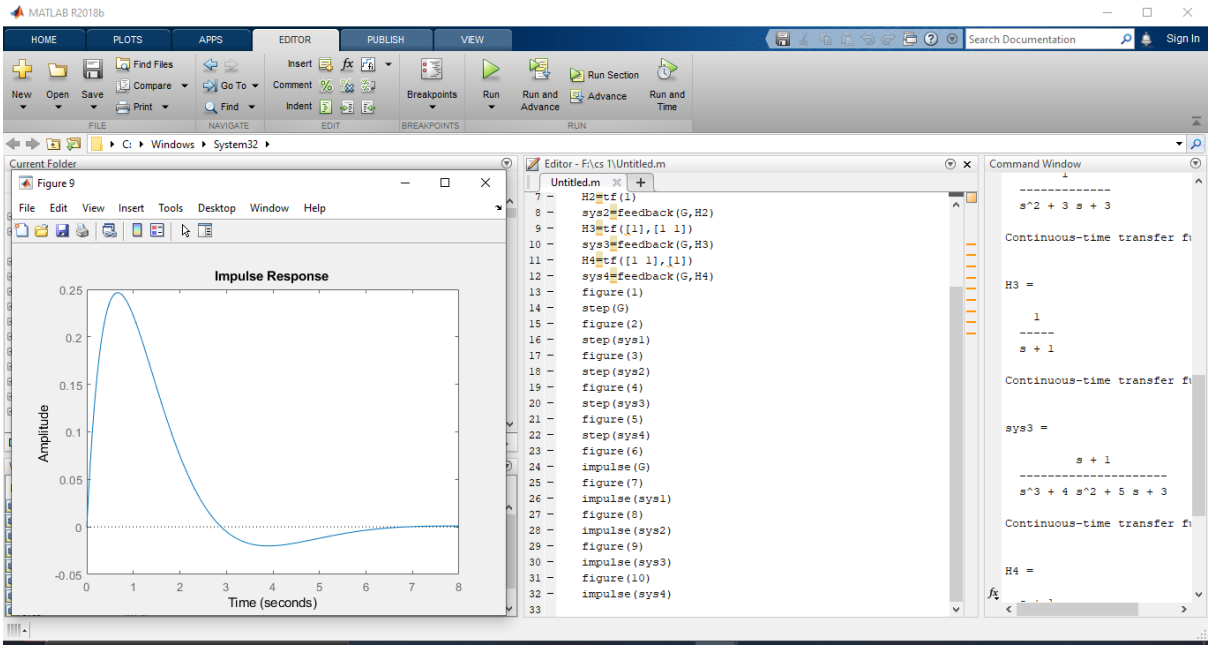
For closed loop with positive unity feedback for impulse input



For closed loop with negative unity feedback for unit impulse input

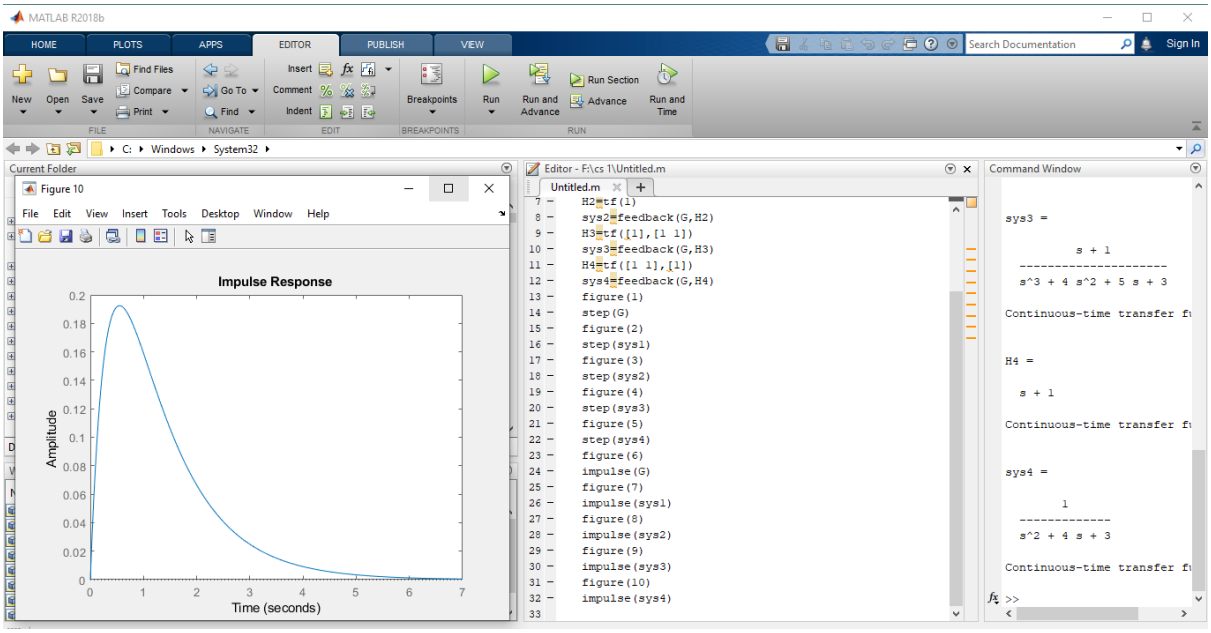


For closed loop with negative feedback of pole at s=-1 for unit impulse input



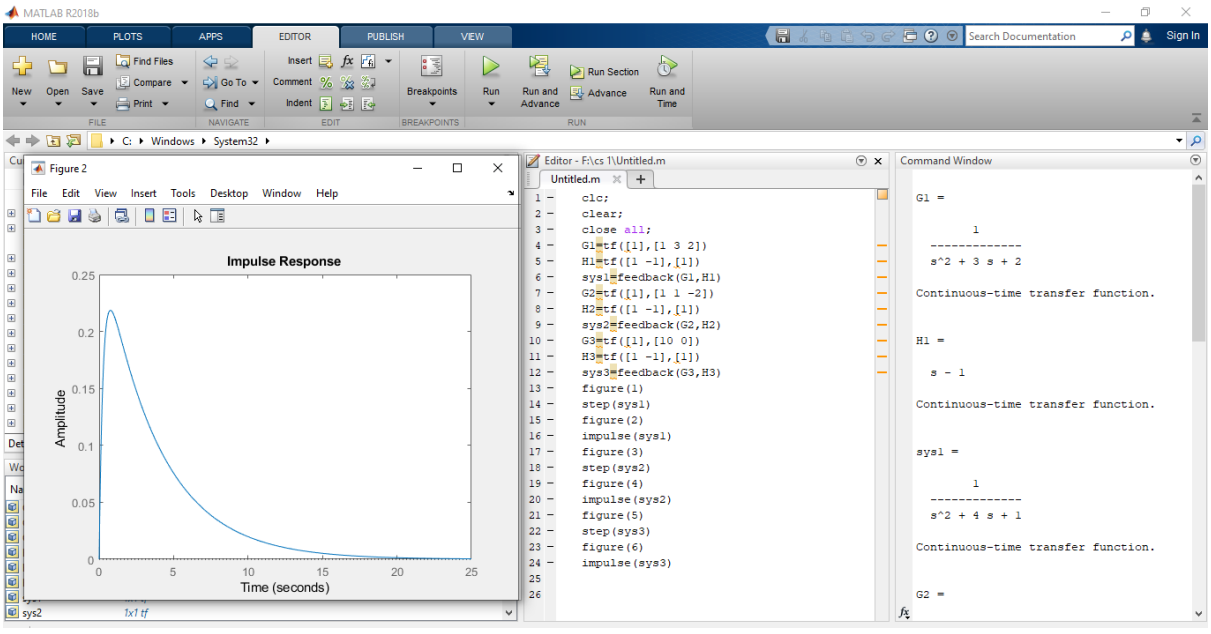
For closed loop with negative feedback of zero at s=-1

for unit impulse input



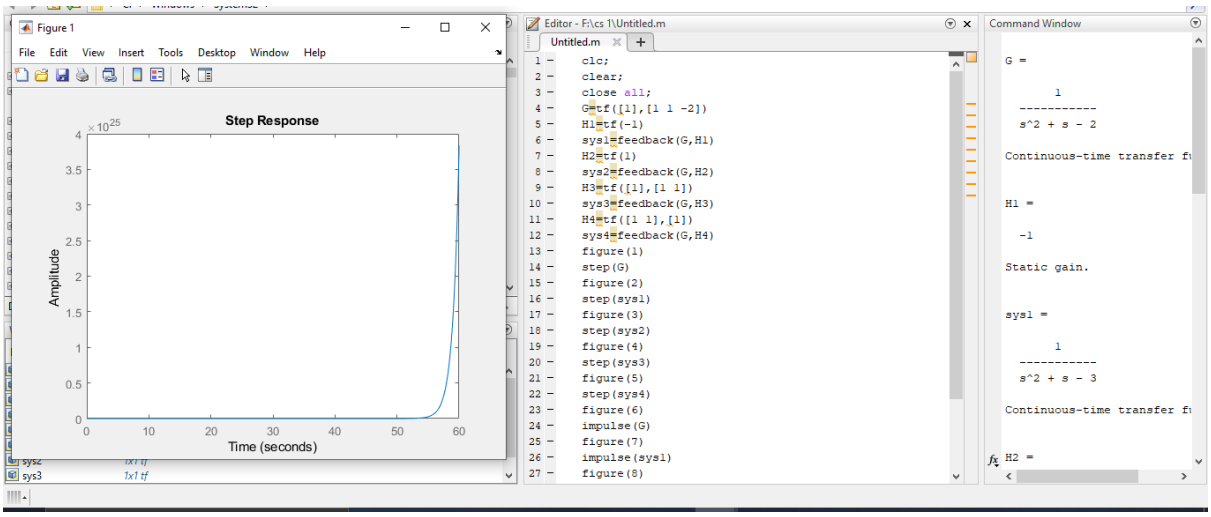
For closed loop with negative feedback of zero at s=1

for unit impulse input

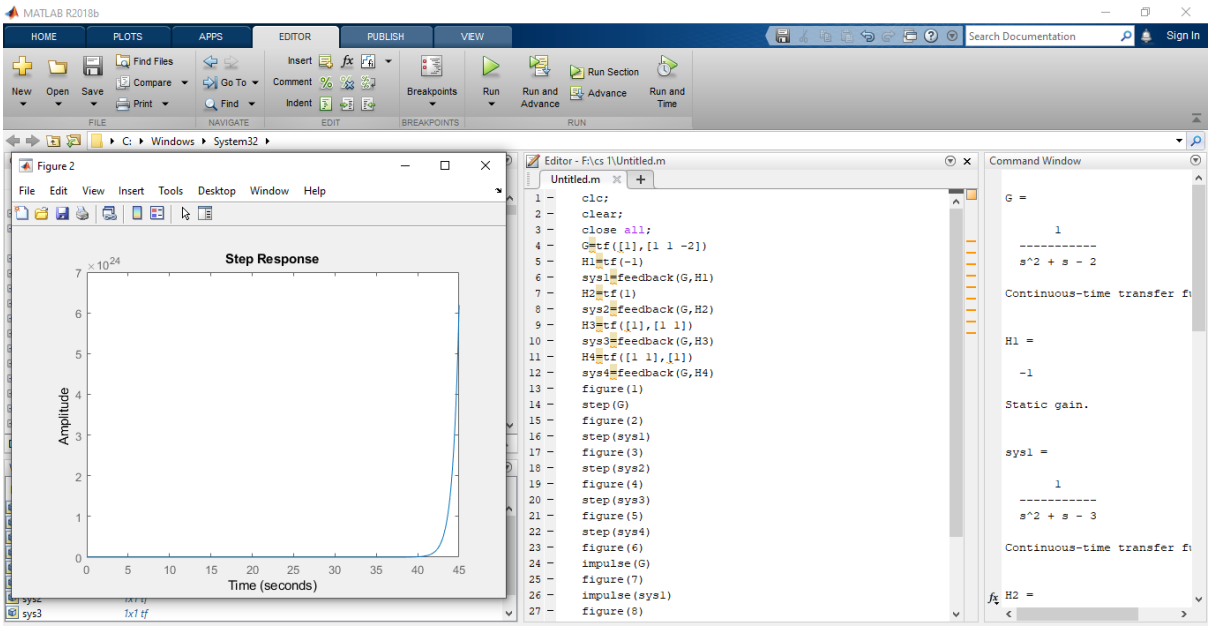


2.G(S)=1/(s-1)(s+2)

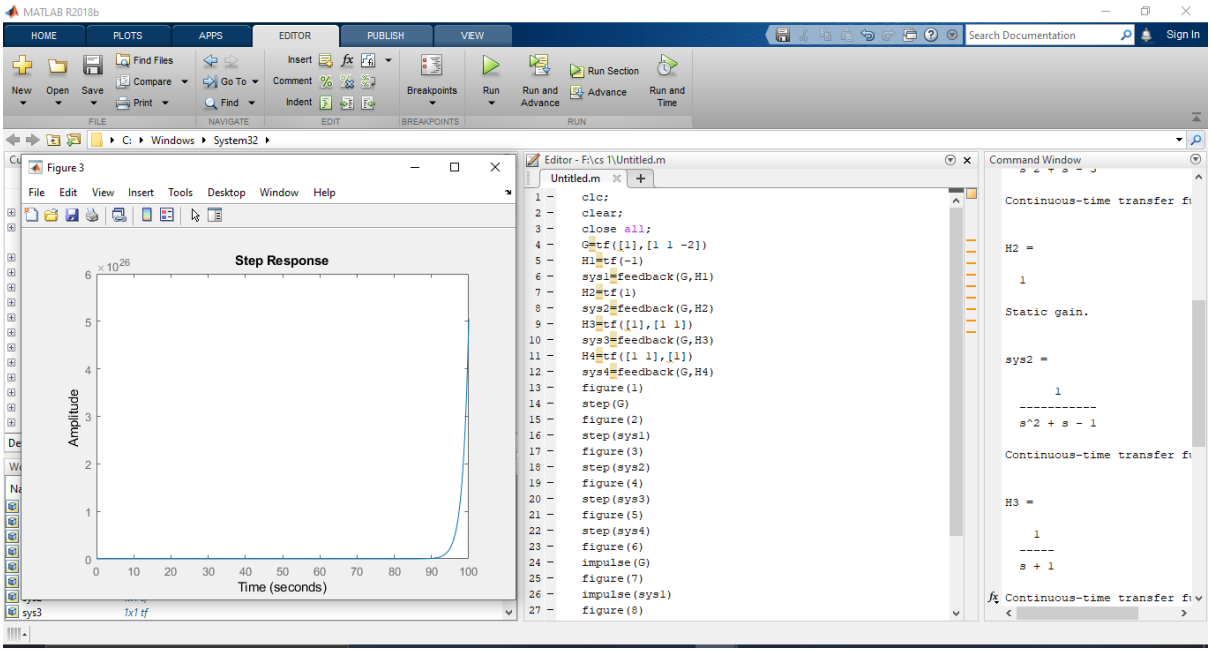
For open loop response



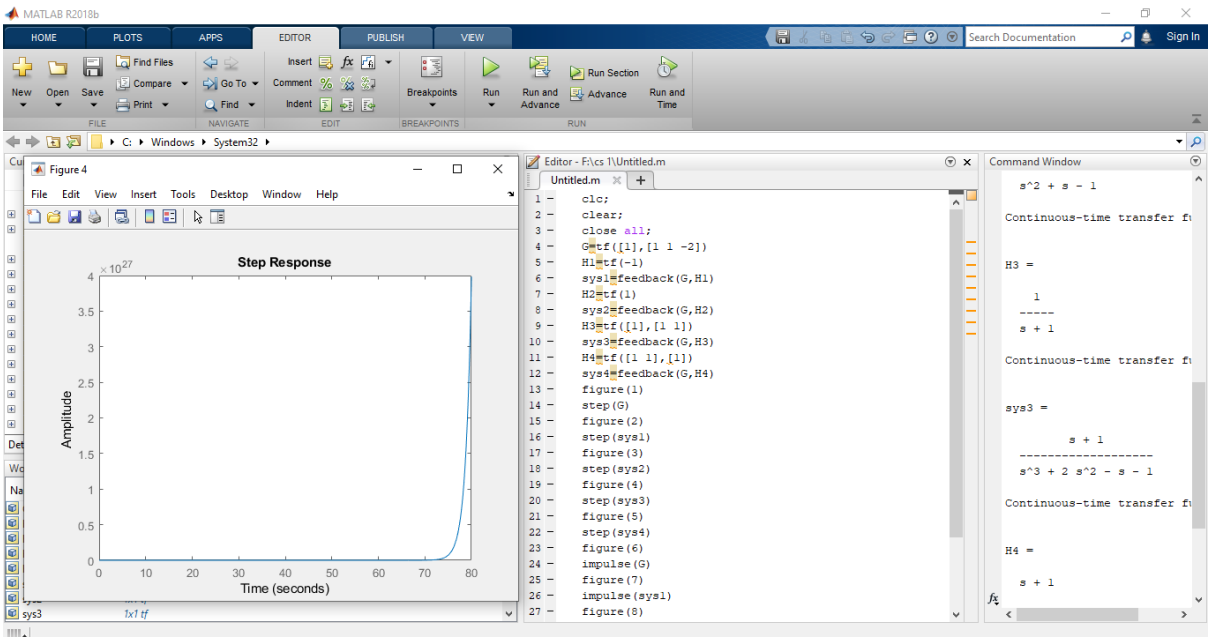
For closed loop of positive unity feedback for unit step response



For closed loop with unity negative feedback for unit step input

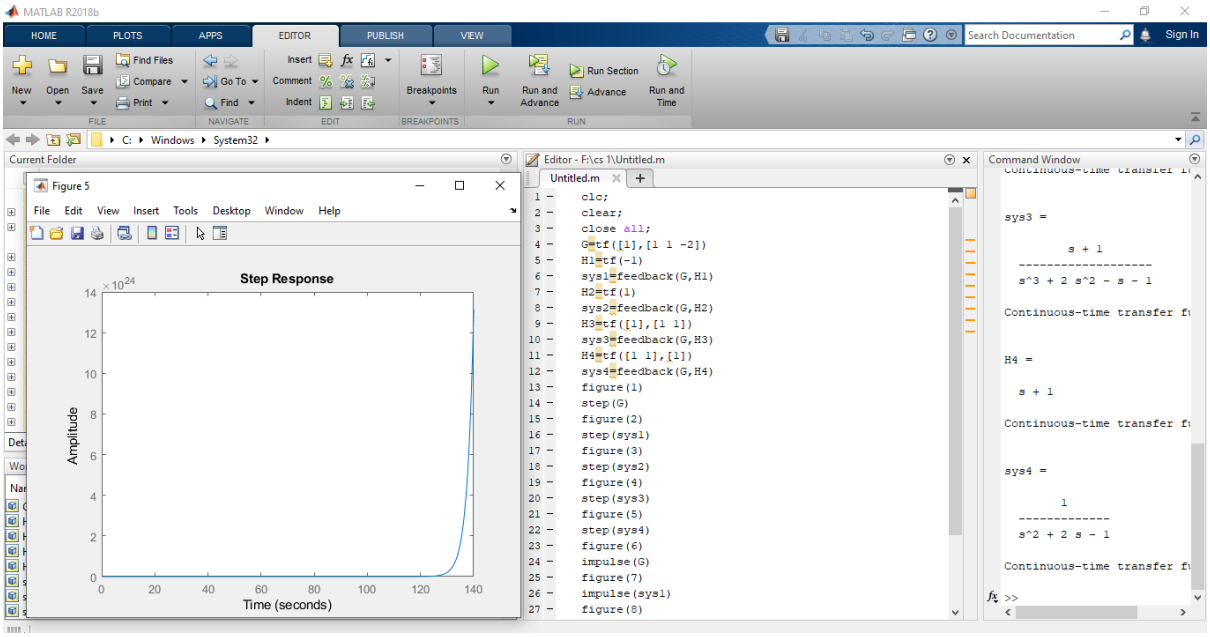


For closed loop with negative feedback of pole at s= -1 for unit step input



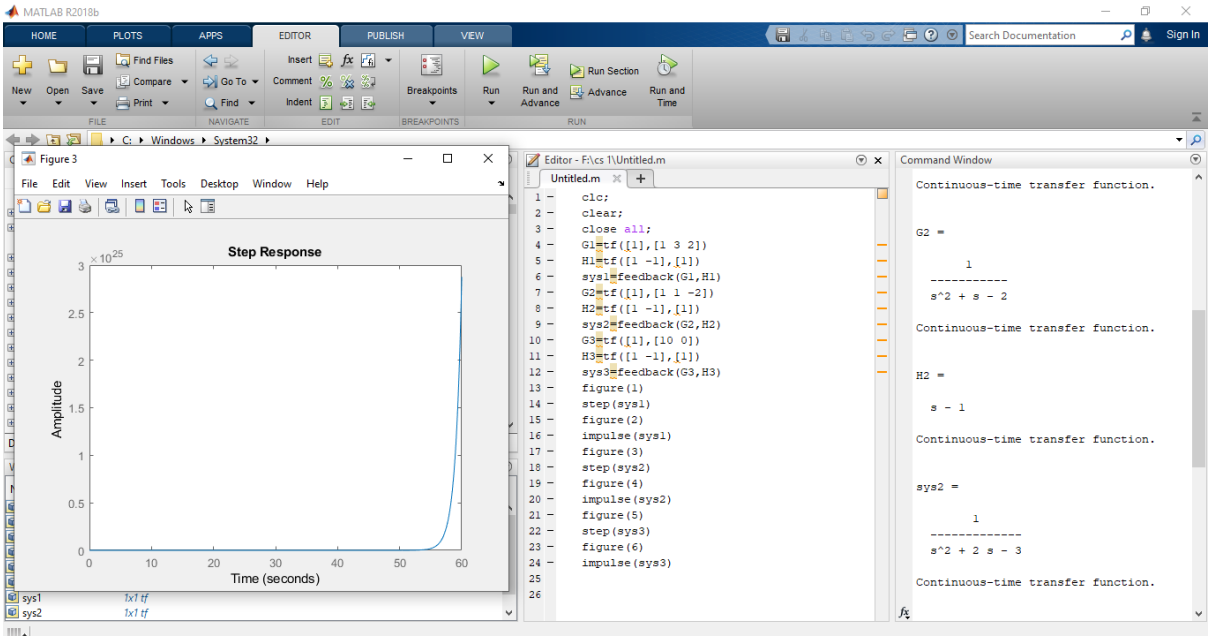
For closed loop with negative feedback of zero at s= -1

for unit step input

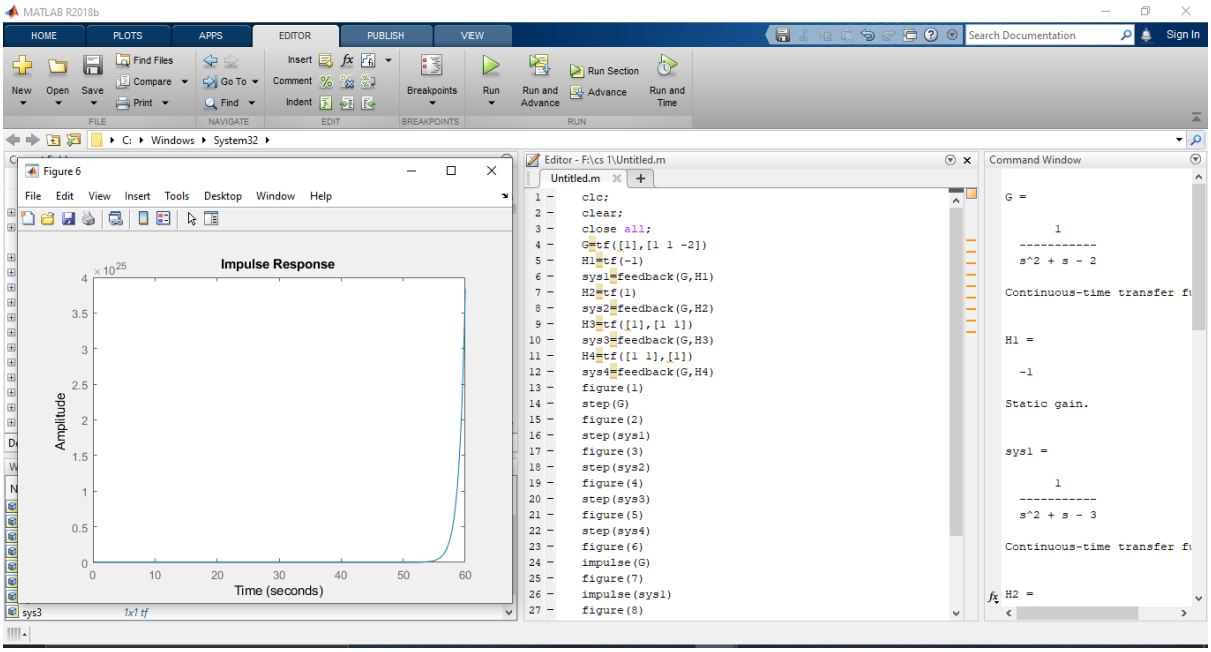


For closed loop with negative feedback of zero at s= 1

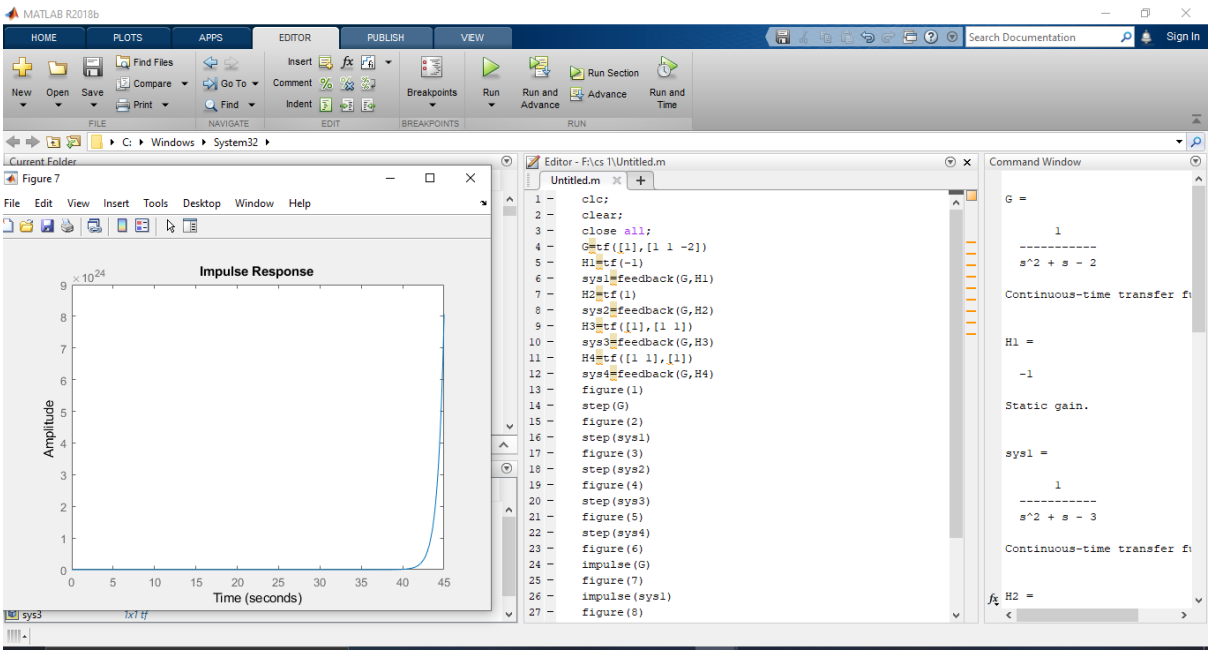
for unit step input



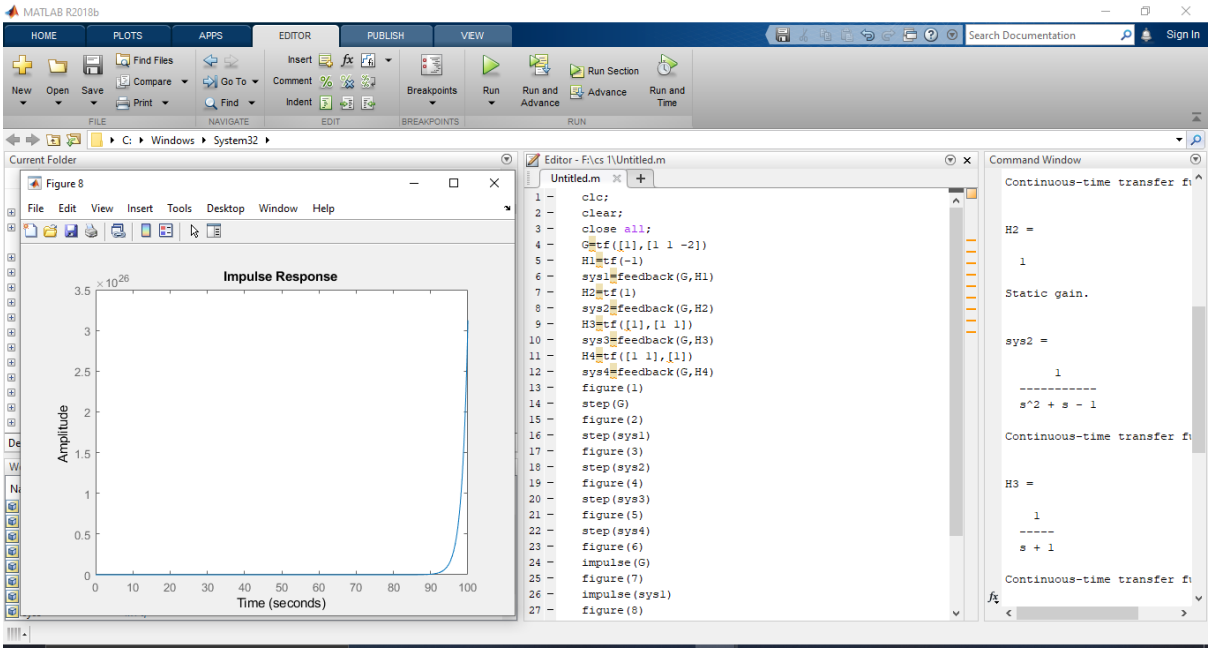
For open loop with impulse input response



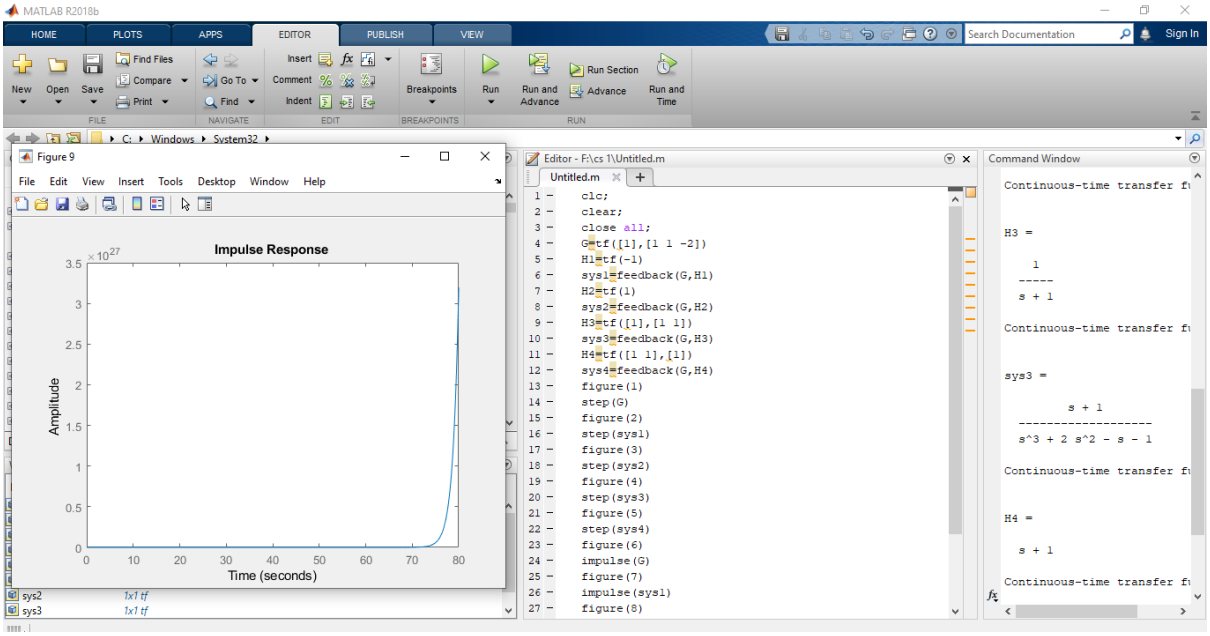
For closed loop with positive unity feedback for impulse input



For closed loop with negative unity feedback for unit impulse input

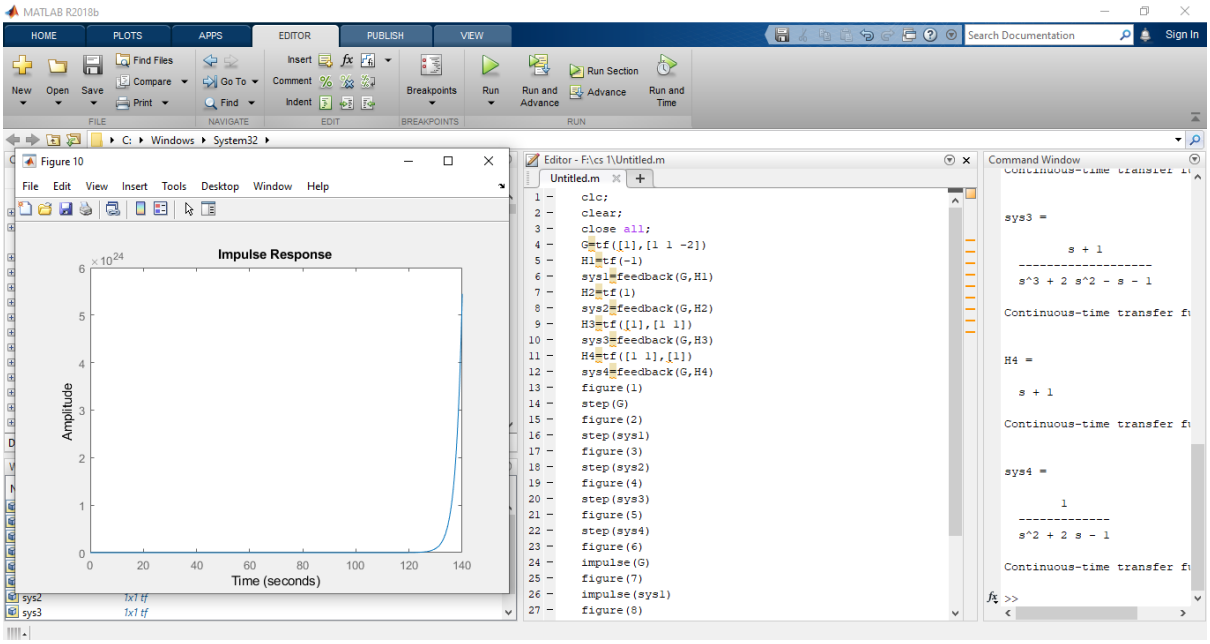


For closed loop with negative feedback of pole at s=-1 for unit impulse input



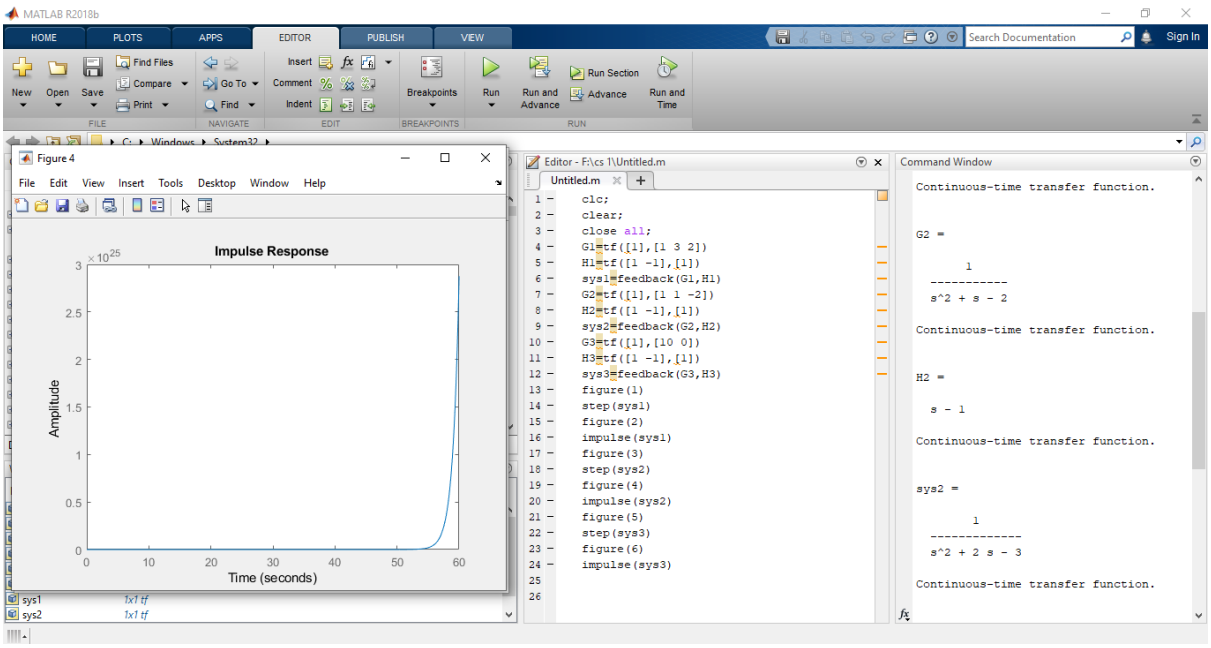
For closed loop with negative feedback of zero at s=-1

for unit impulse input



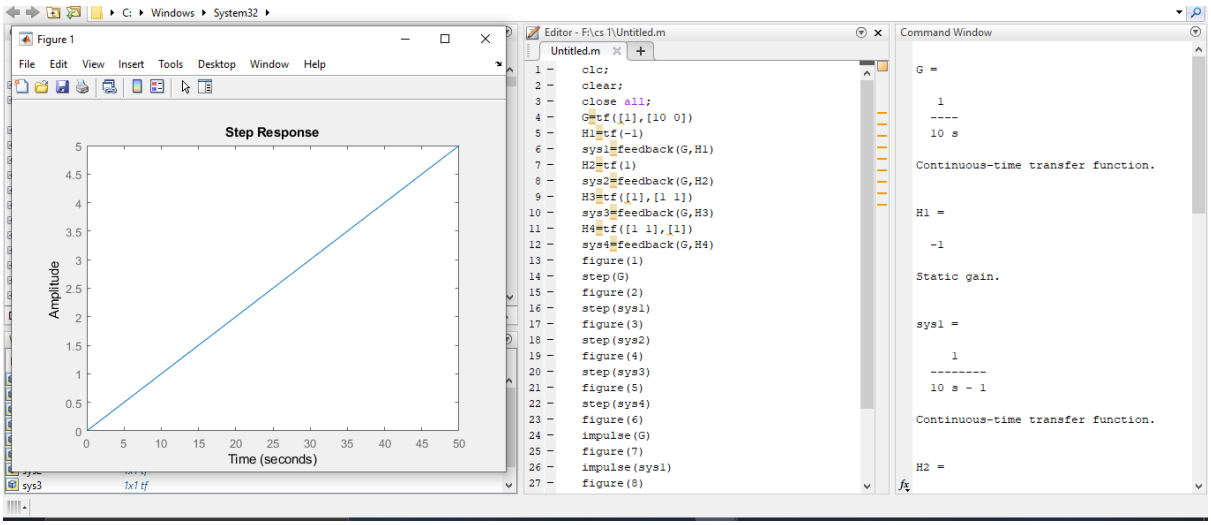
For closed loop with negative feedback of zero at s=1

for unit impulse input



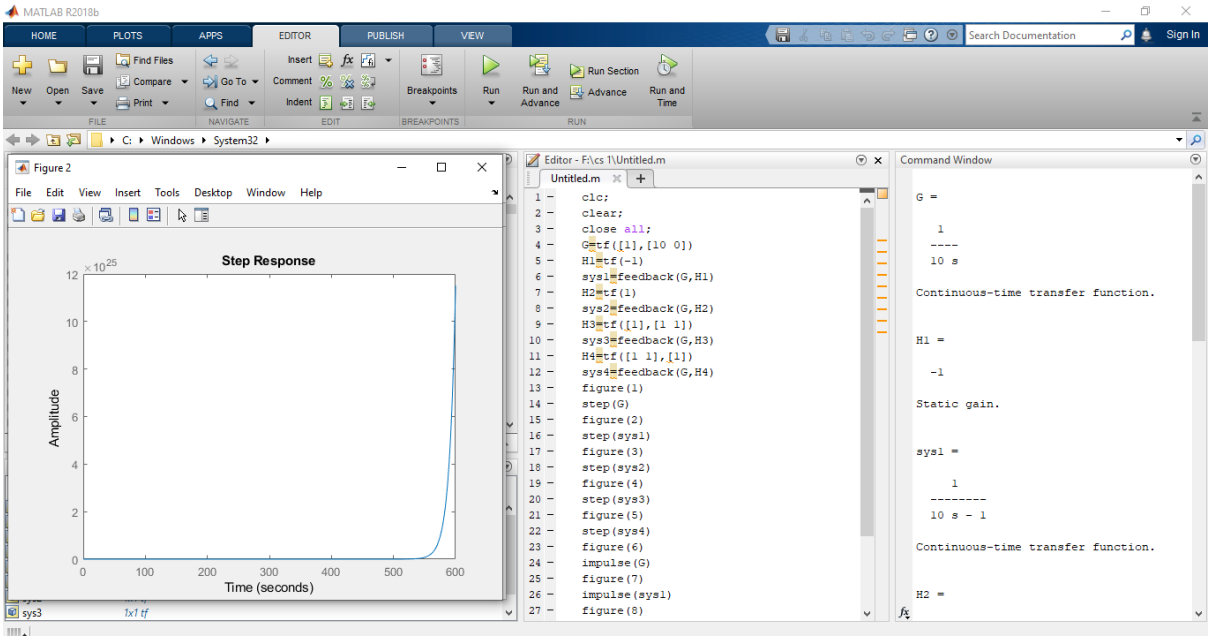
3.G(s)=1/10*S

For open loop response

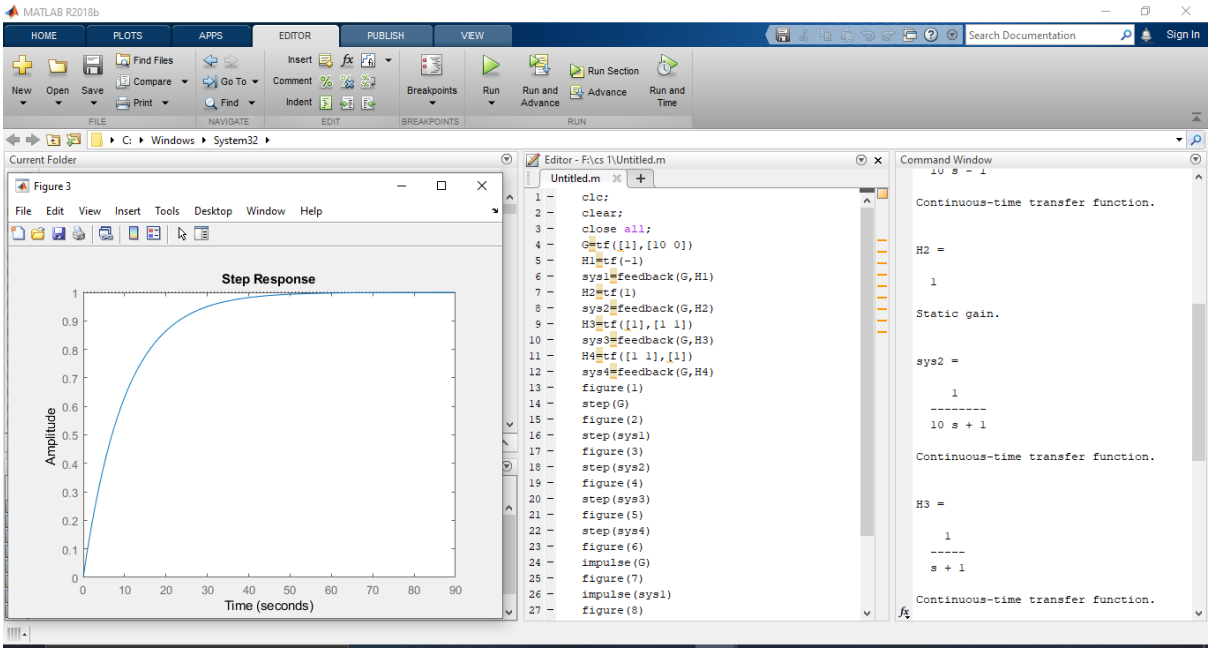


For closed loop of positive unity feedback for unit step

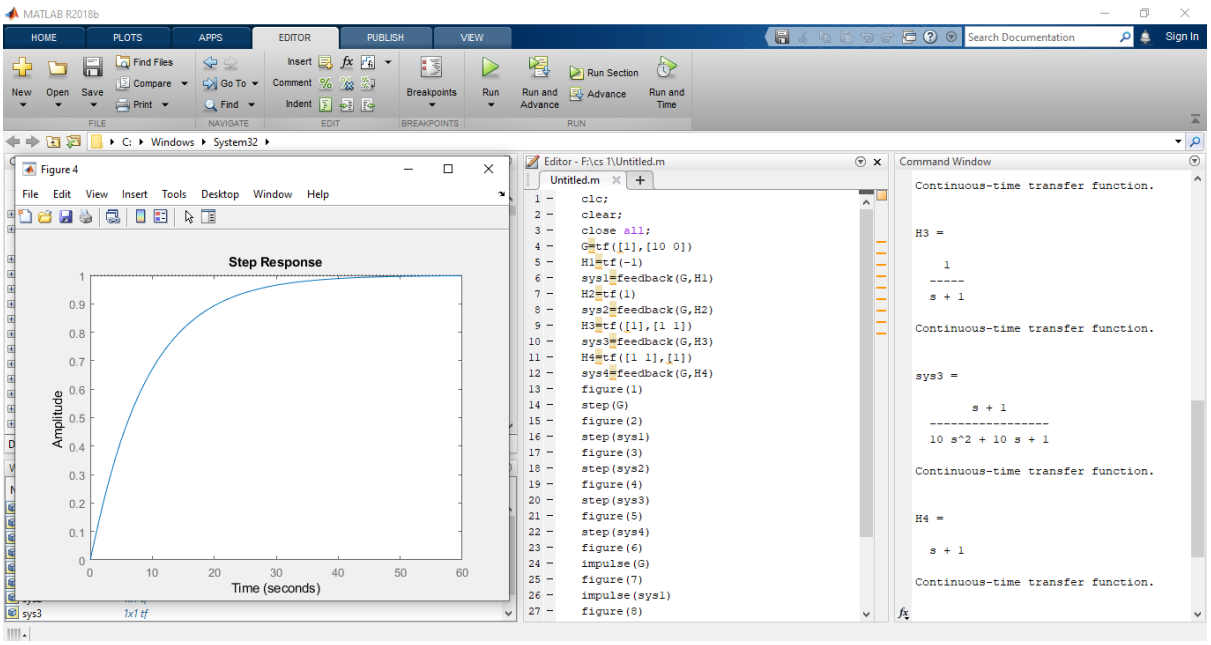
Response



For closed loop with unity negative feedback for unit step input

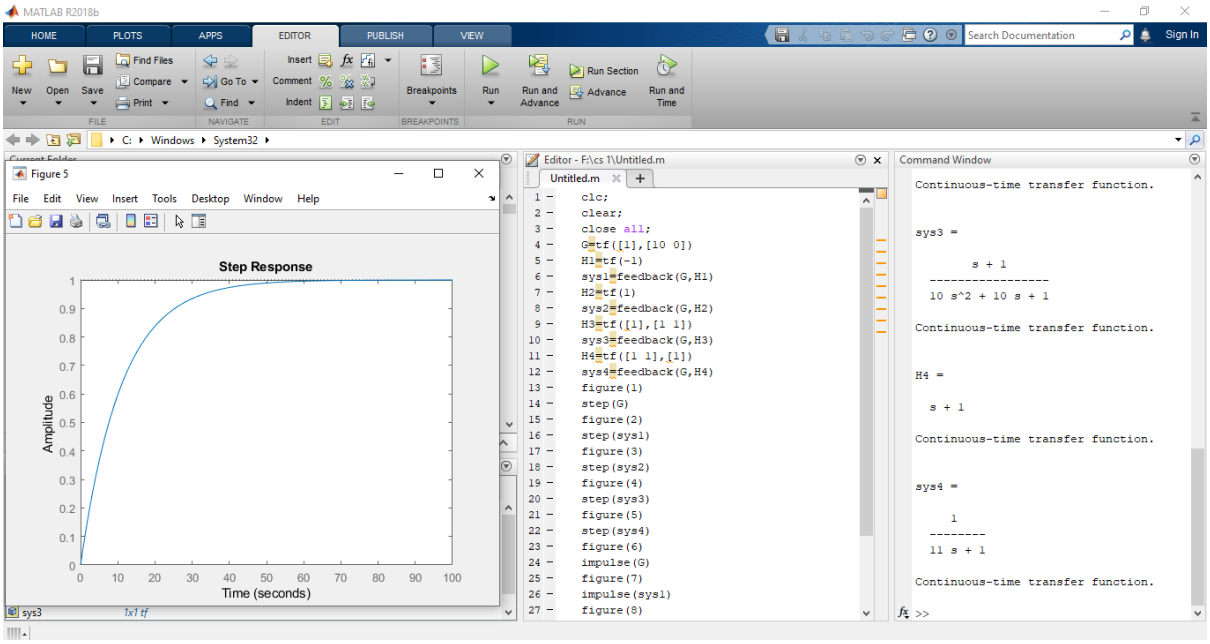


For closed loop with negative feedback of pole at s= -1 for unit step input



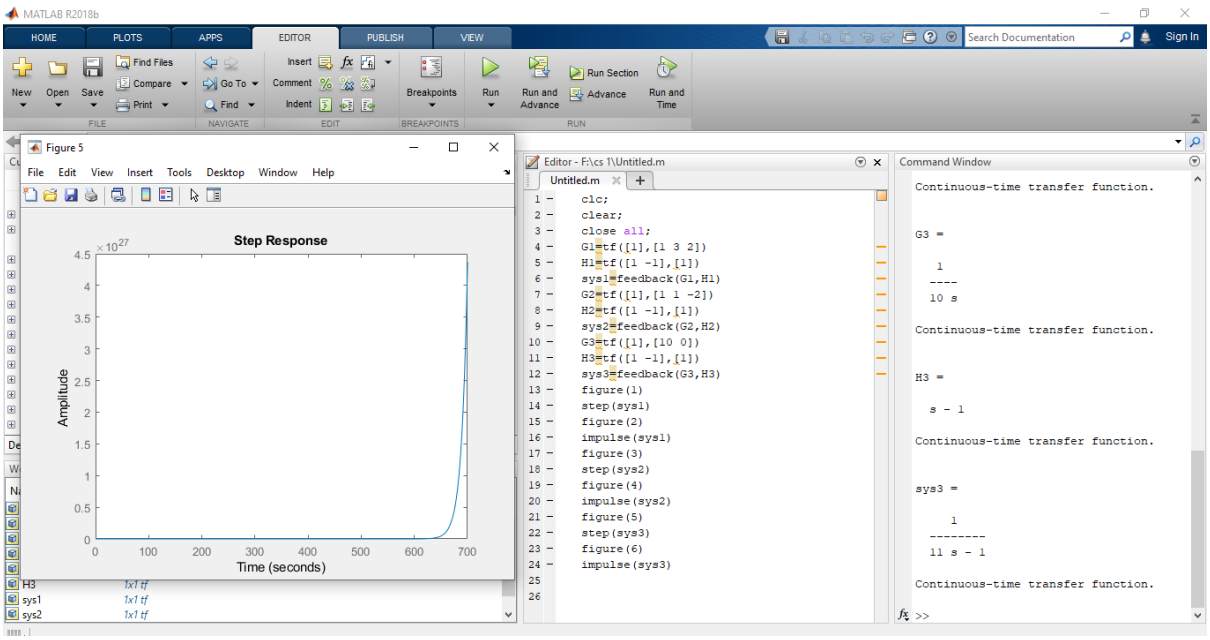
For closed loop with negative feedback of zero at s= -1

for unit step input

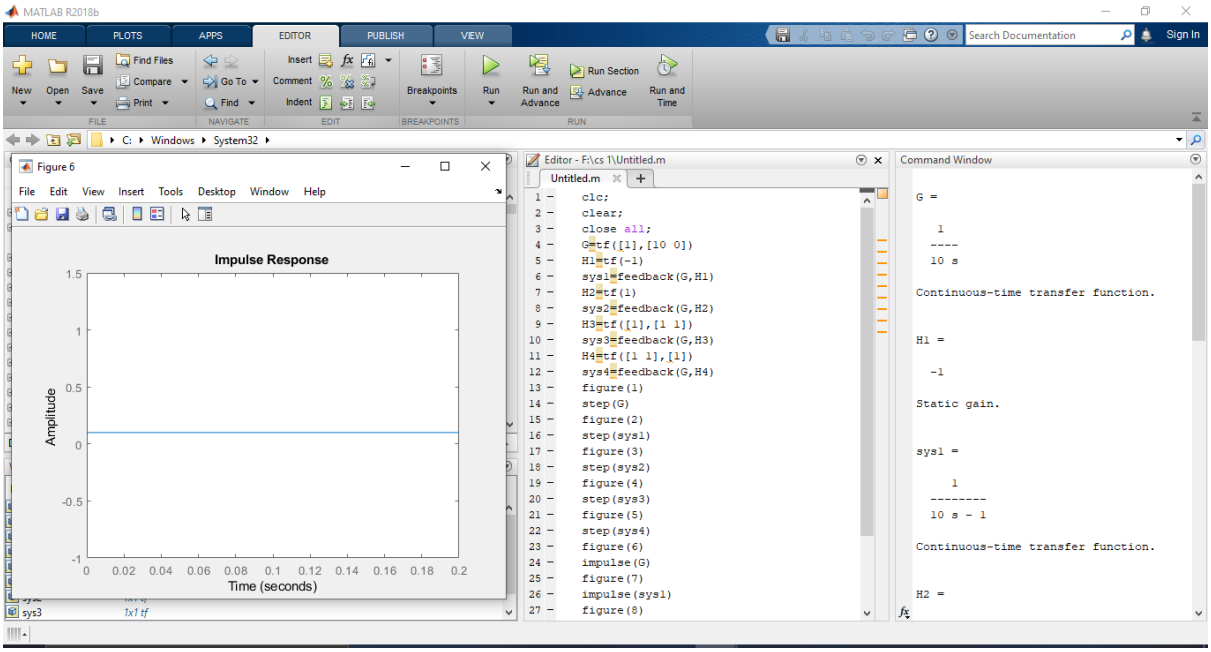


For closed loop with negative feedback of zero at s= 1

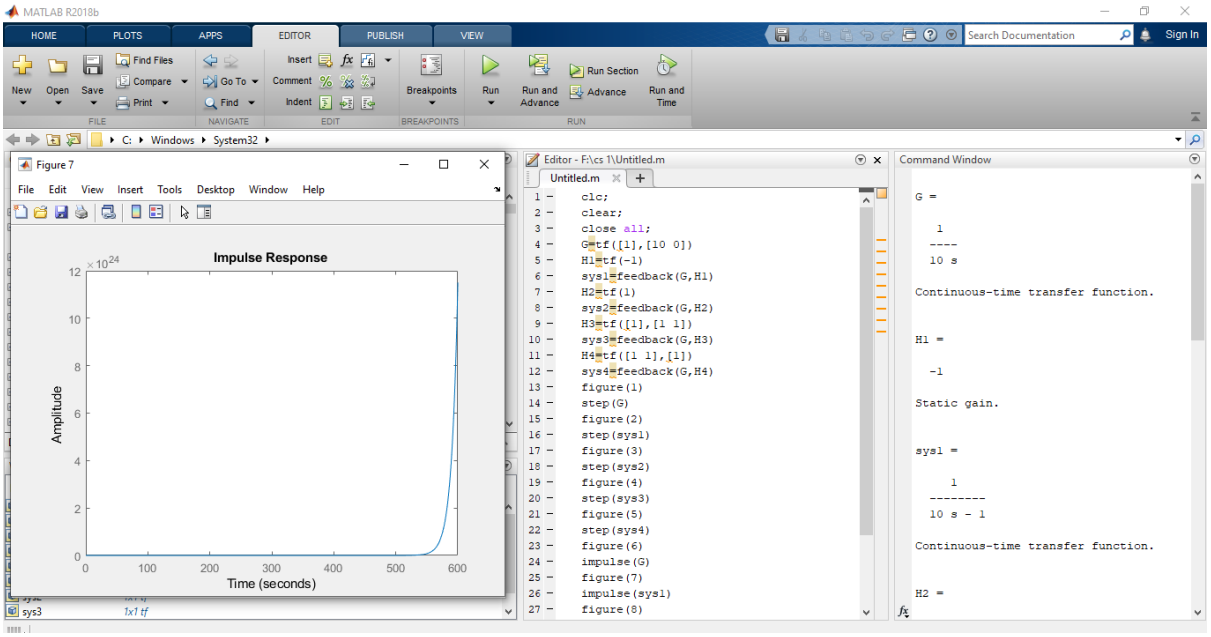
for unit step input



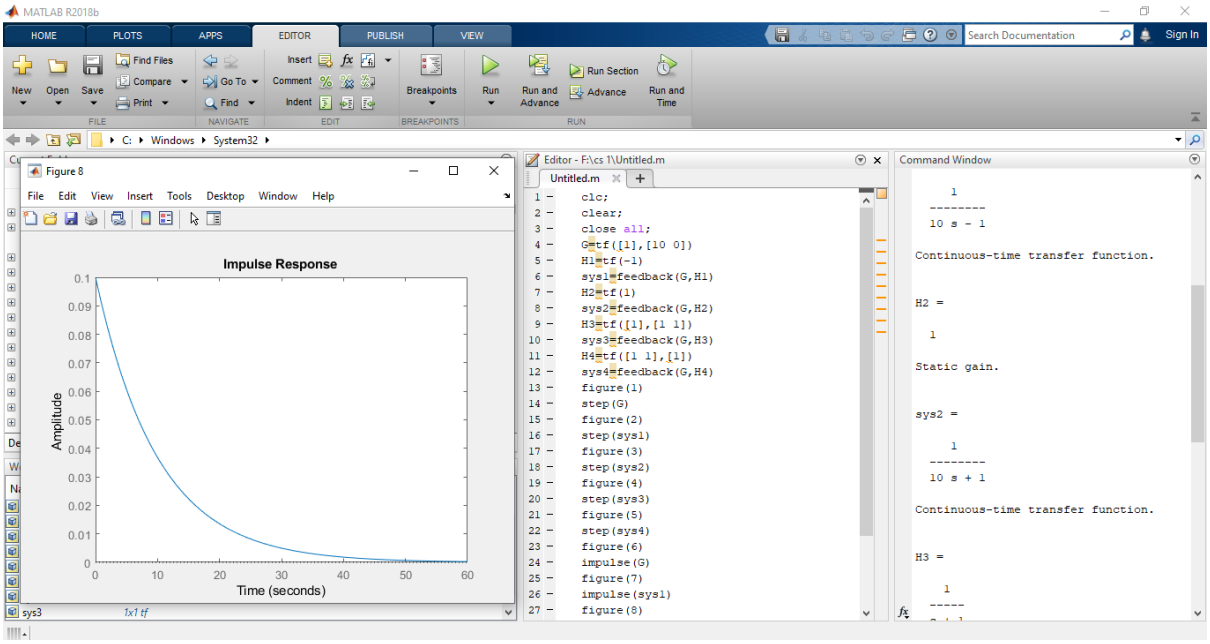
For open loop with impulse input response



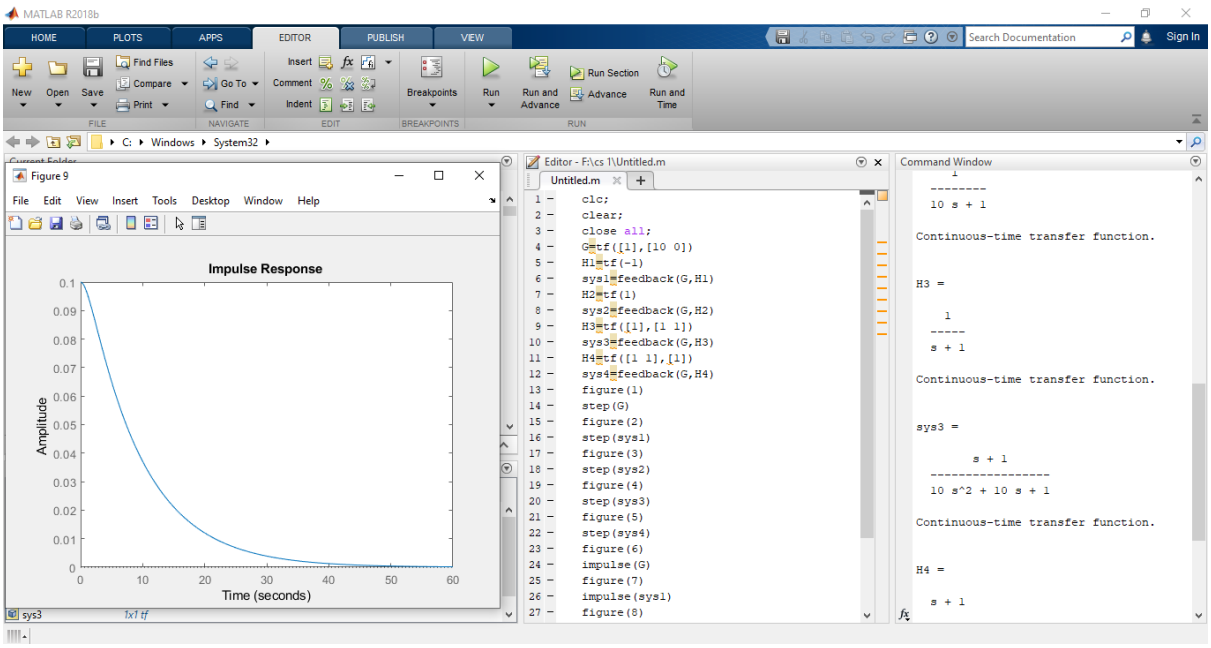
For closed loop with positive unity feedback for impulse input



For closed loop with negative unity feedback for unit impulse input

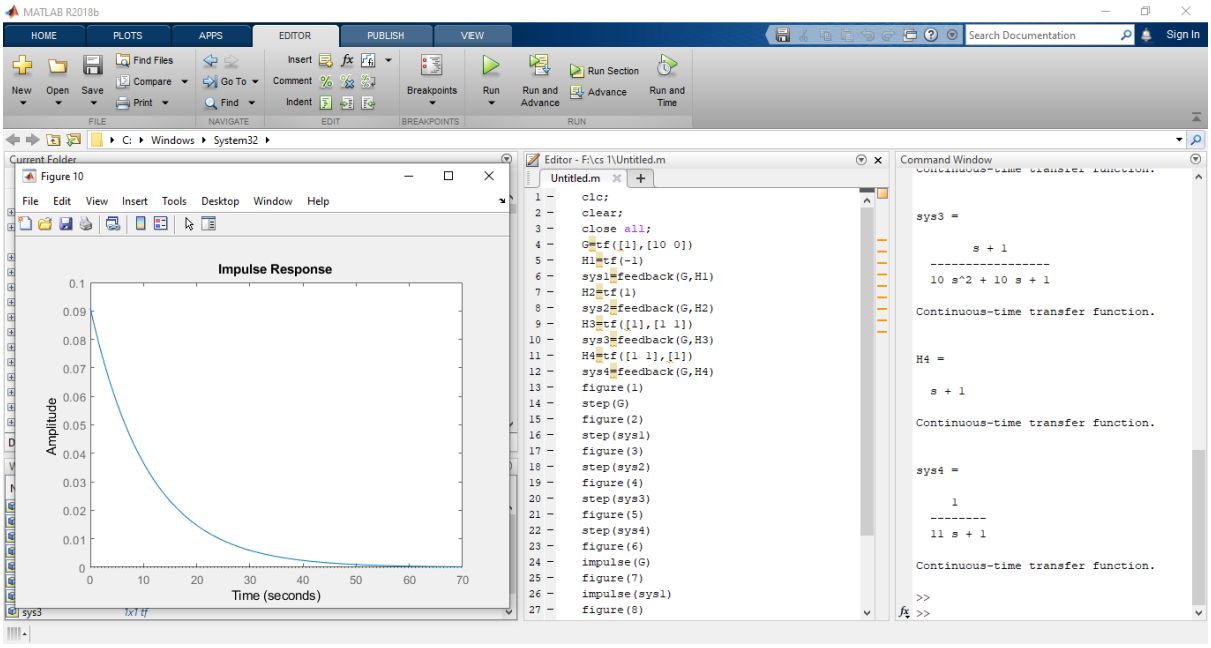


For closed loop with negative feedback of pole at s=-1 for unit impulse input



For closed loop with negative feedback of zero at s=-1

for unit impulse input



For closed loop with negative feedback of zero at s=1

for unit impulse input