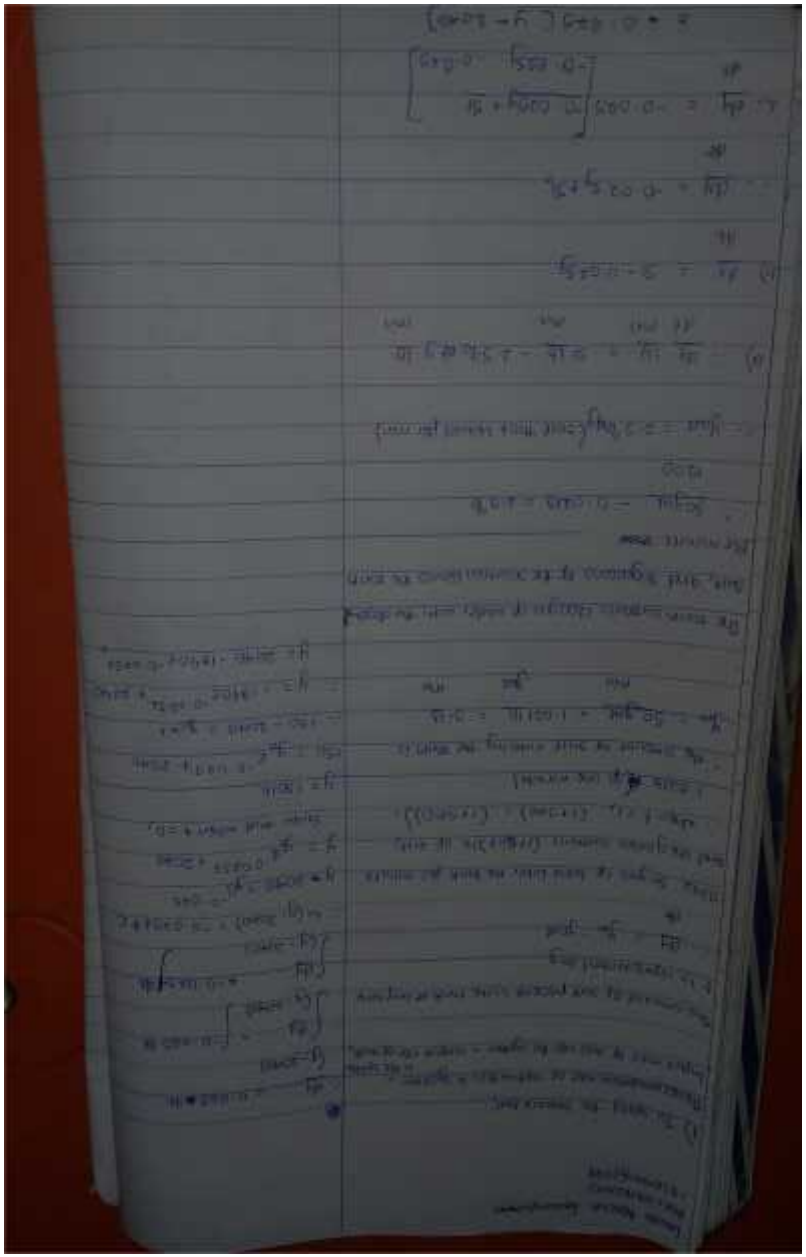
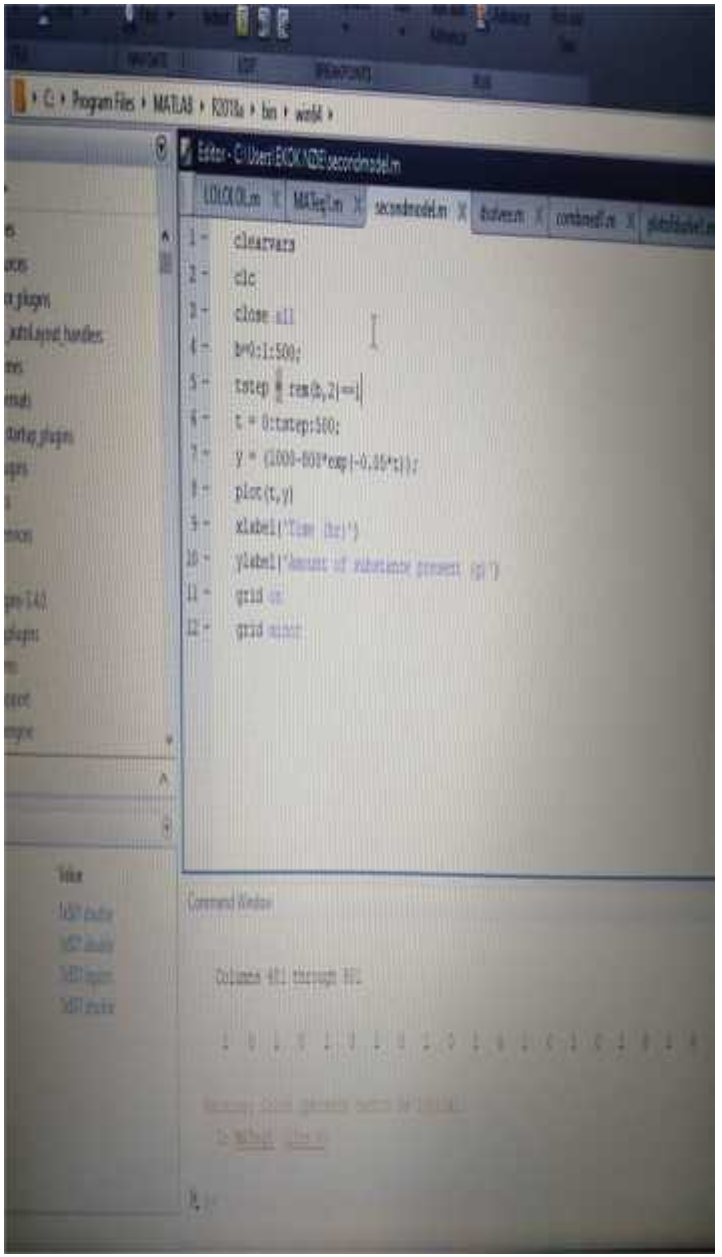



clearvars
clc
close all
t=0:1:500;
tstep = t(2)-t(1);
t = 0:tstep:500;
y = (1000-800*exp(-0.35*t));
plot(t,y)
xlabel('Time (hr)')
ylabel('Amount of substance present (g)')
grid on
grid minor

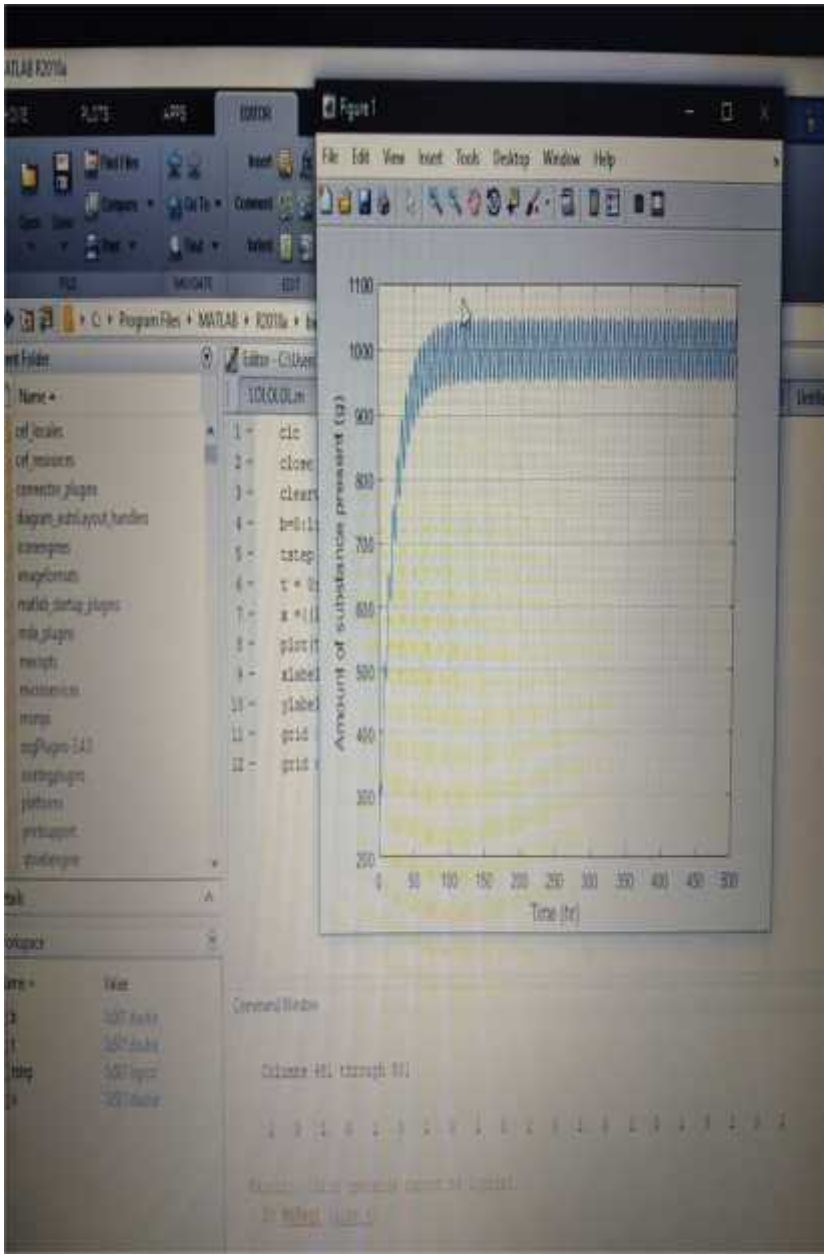
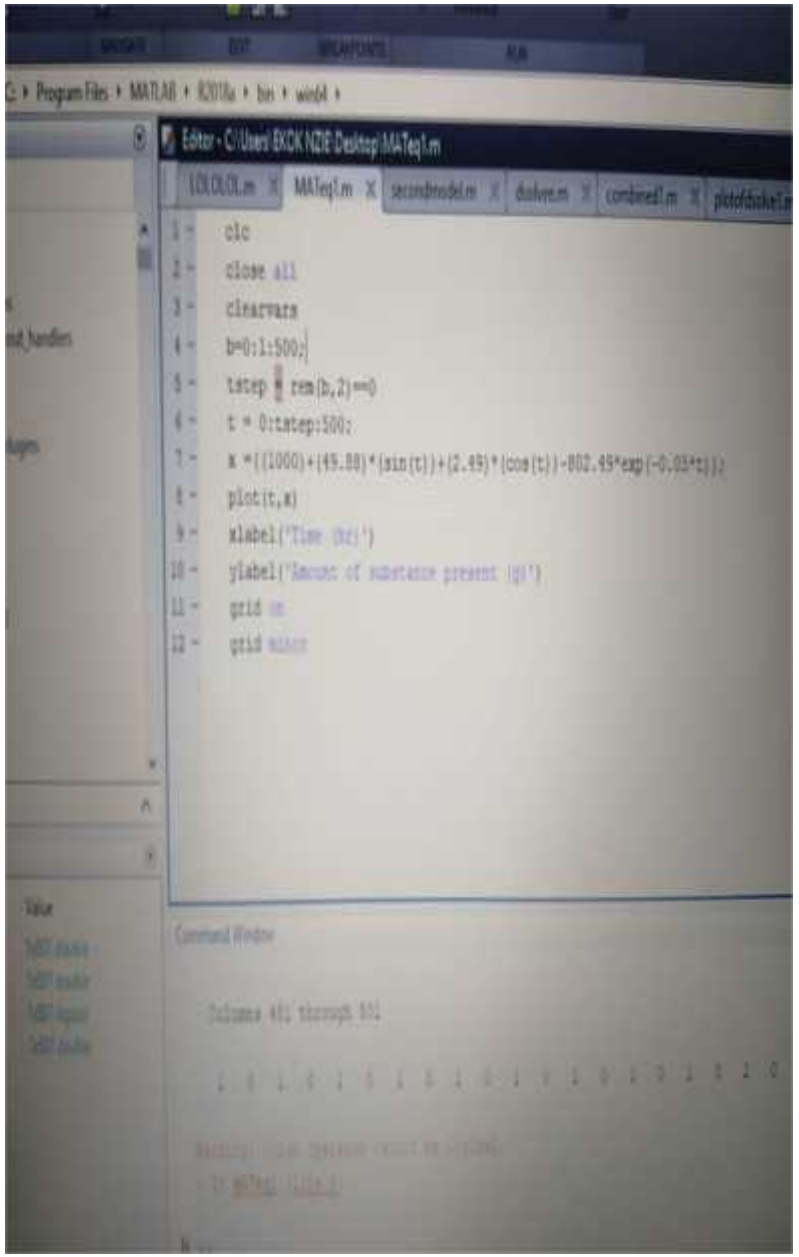


Figure 1
File Edit View Insert Tools Desktop Window Help
Amount of substance present (g)
Time (hr)
1100
1000
900
800
700
600
500
400
300
200
0 50 100 150 200 250 300 350 400 450 500


Editor - C:\Users\EKOK NZIE Desktop\MATeq1.m
clc
close all
clearvars
b=0:1:500;
tstep = rem(b,2)==0
t = 0:tstep:500;
x =((1000)+(49.88)*(sin(t))+(2.49)*(cos(t))-802.45*exp(-0.03*t));
plot(t,x)
xlabel('Time (hr)')
ylabel('Amount of substance present (g)')
grid on
grid minor

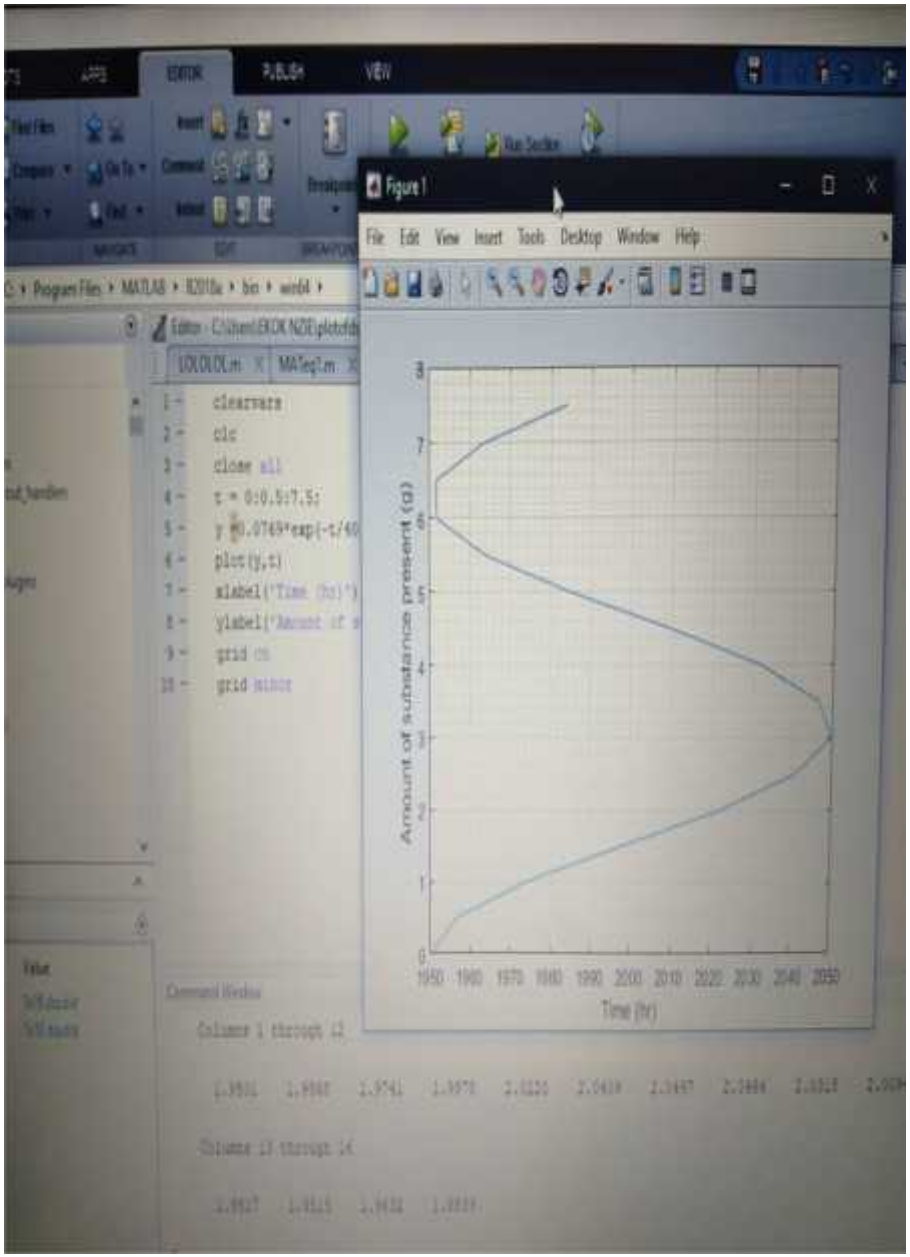
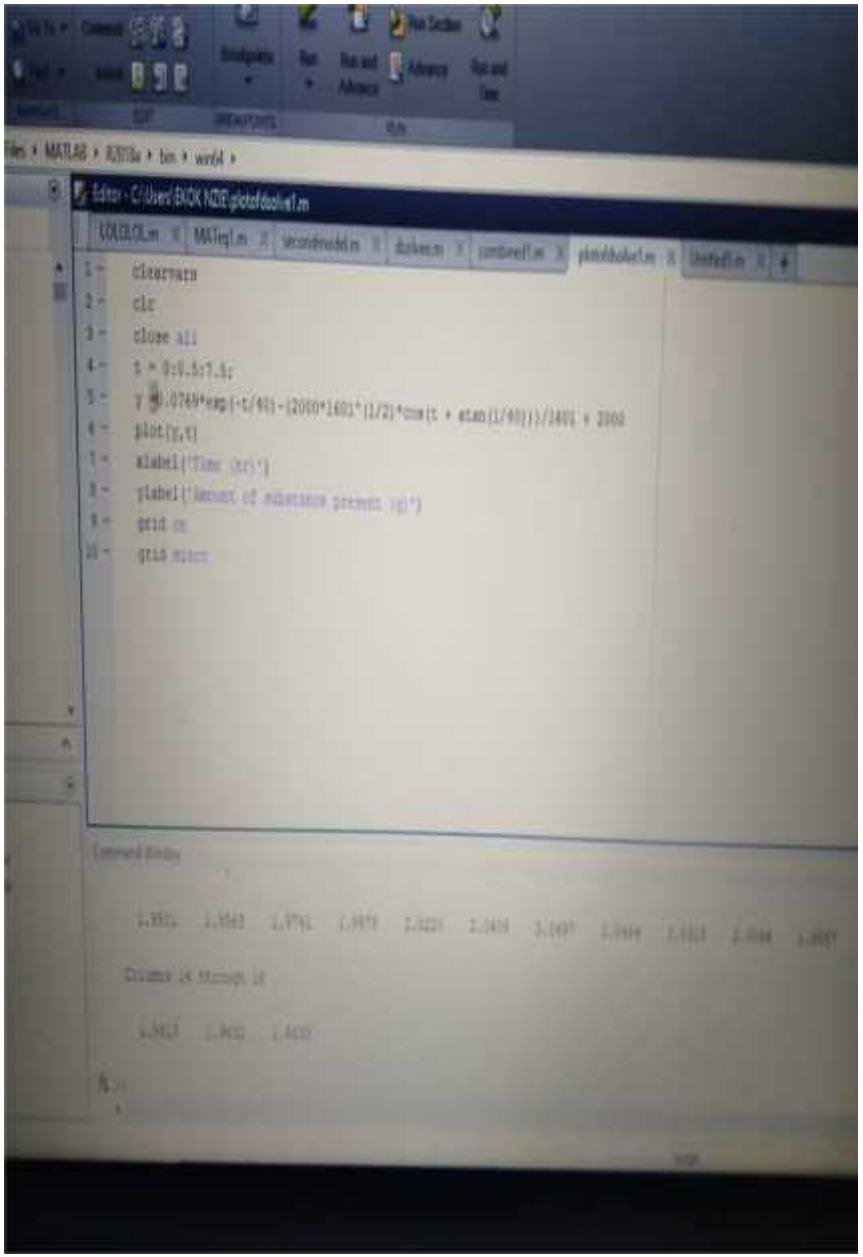
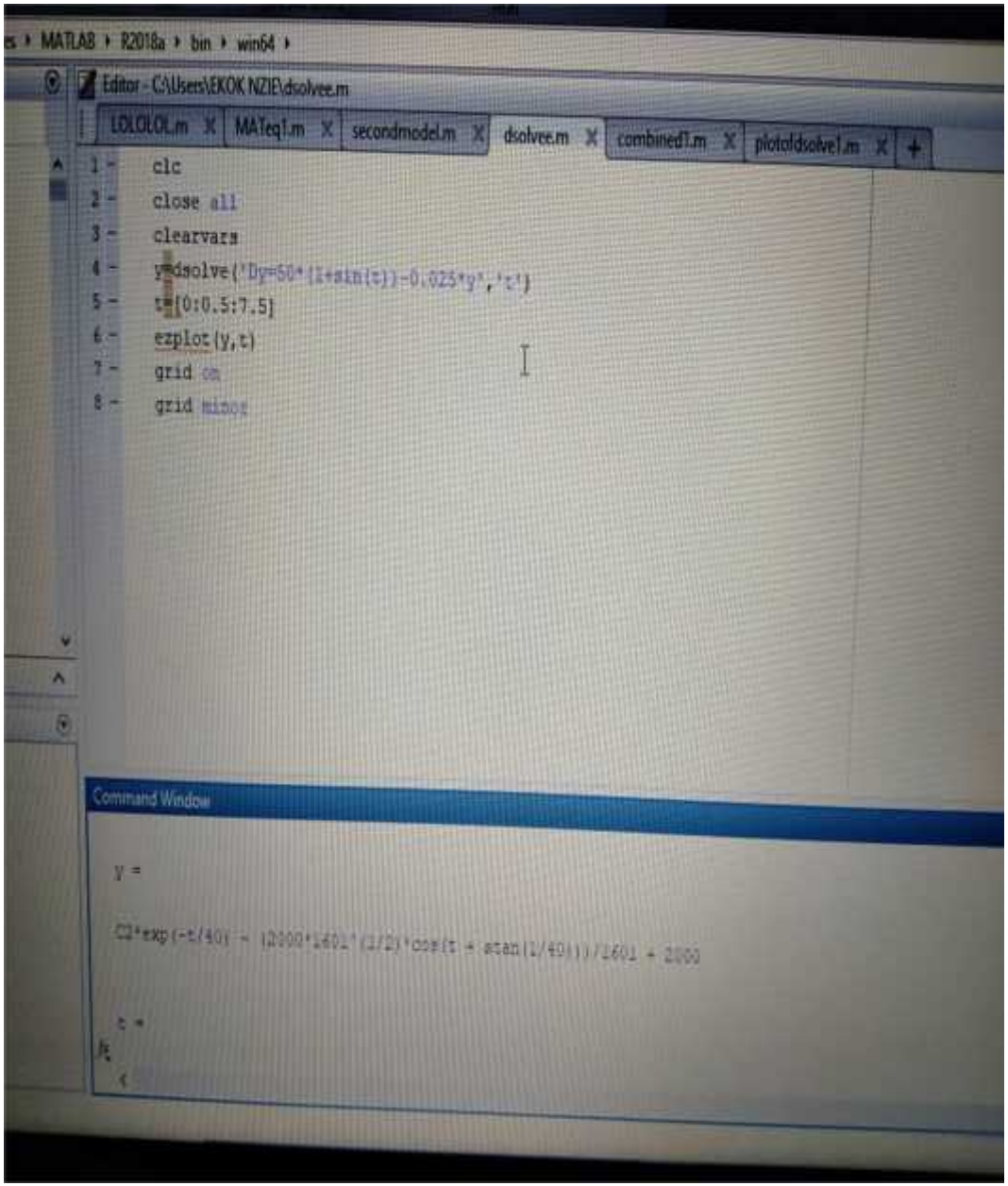


Figure 1
File Edit View Insert Tools Desktop Window Help
Amount of substance present (g)
Time (hr)
clearvars
clc
close all
t = 0:0.5:7.5;
plot(y,t)
xlabel('Time (hr)')
ylabel('Amount of
grid on
grid minor


clearvars
clc
close all
t = 0:0.5:7.5;
y = 0.0769*exp(-t/60)-(2000*1601*(1/2)*cos(t + atan(1/60)))/1601 + 2000
plot(y,t)
xlabel('Time (hr)')
ylabel('Amount of substance present (g)')
grid on
grid minor


MATLAB ▸ R2018a ▸ bin ▸ win64 ▸
Editor - C:\Users\EKOK NZIE\dsolvee.m
LOLOLOL.m
MATeq1.m
secondmodel.m
dsolvee.m
combined1.m
plotofdsolve1.m
1 - clc
2 - close all
3 - clearvars
4 - y=dsolve('Dy=50*(1+sin(t))-0.025*y','t')
5 - t=[0:0.5:7.5]
6 - ezplot(y,t)
7 - grid on
8 - grid minor
Command Window
y =
C1*exp(-t/40) - (2000*1601^(1/2)*cos(t + atan(1/40)))/1601 + 2000
t =