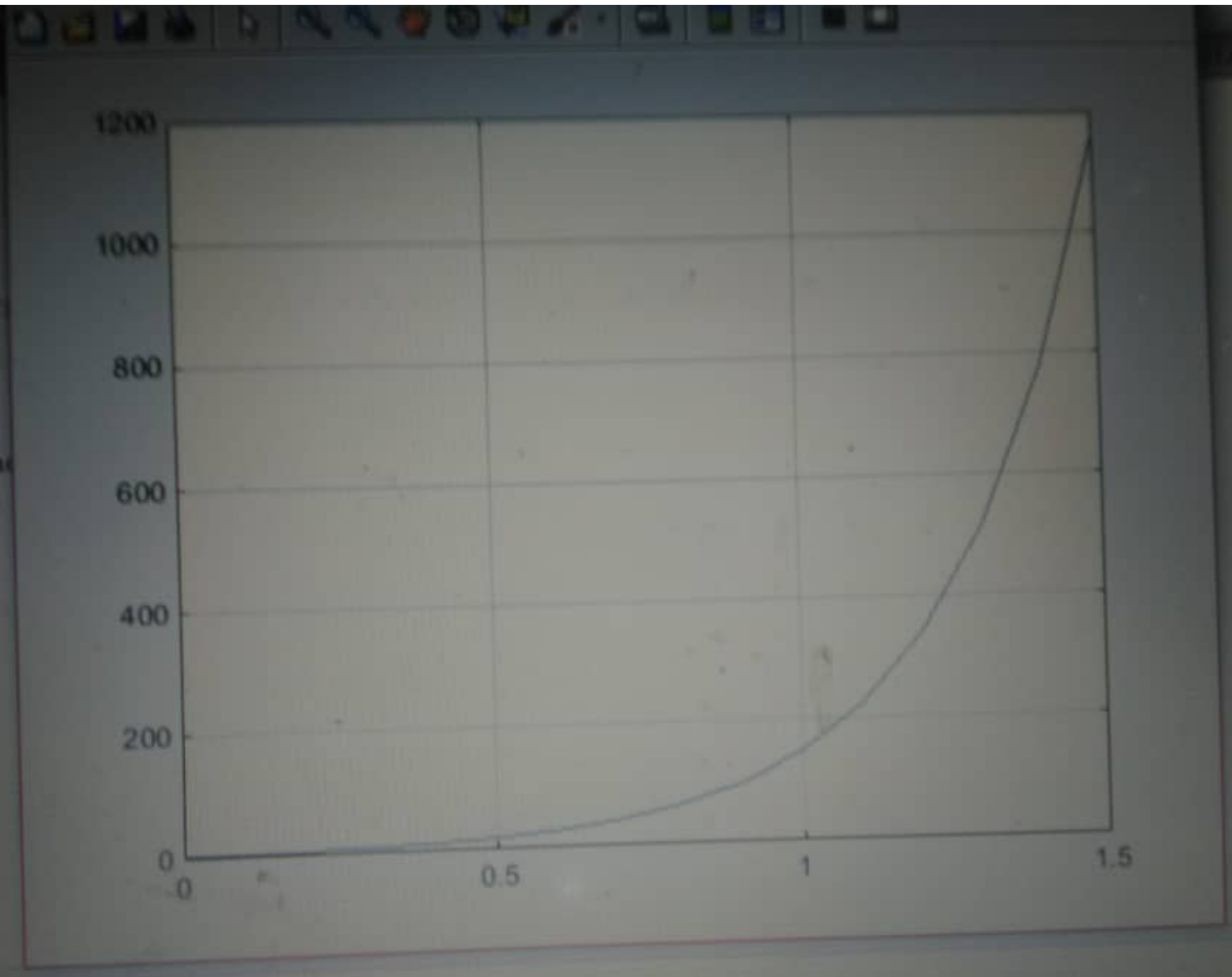
C: ▸ Users ▸ Alegs ▸ Documents ▸ Matlab 2014b ▸ Serial ▸ bin ▸

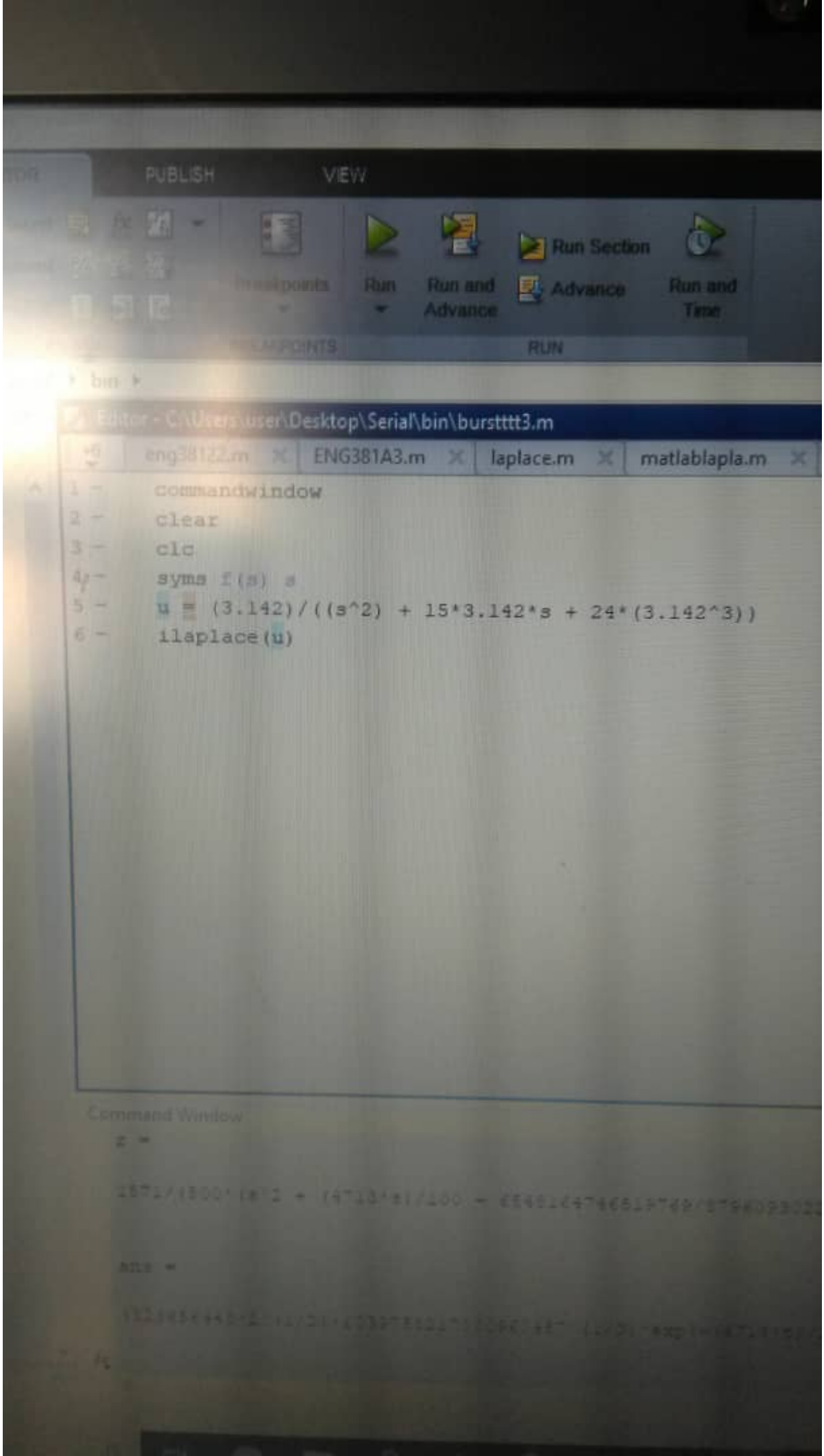
Editor - C:\Users\Alegs\Documents\Matlab 2014b\Serial\bin\pit.m

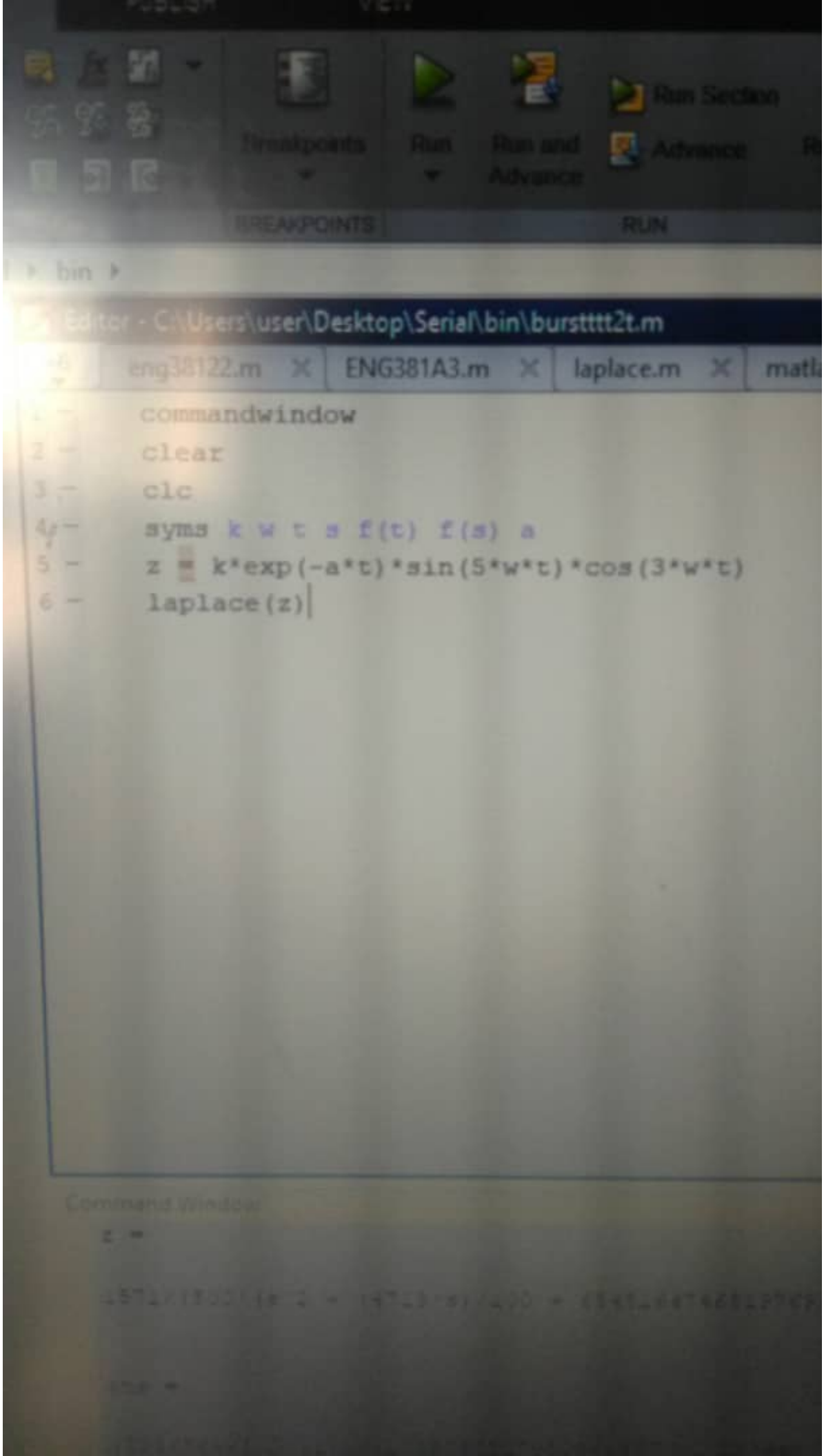
+20 | oo.m | prt.m | rg.m | rr.m | test.m | ttui.m | ww.m | yt.m

```
1 -  commandwindow
2 -  clc
3 -  close all
4 -  syms n(t)
5 -  D=diff(n)
6 -  ode=(diff(n,t,2))-(diff(n,t))-(12*n)==144*t^3+12.5;
7 -  cond1=D(0)==-0.5;
8 -  cond2=n(0)==5;
9 -  conds=[cond1 cond2];
10 -  dsol(t)=dsolve(ode,conds);
11 -  dsol=simplify(dsol(t))
12 -  tn=[0:0.1:1.5]
13 -  femmy=subs(dsol,tn)
14 -  plot(tn,femmy)
15 -  grid on
16
```

Command Window


1200
1000
800
600
400
200
0
0
0.5
1
1.5


PUBLISH
VIEW
Breakpoints
Run
Run and Advance
Run Section
Advance
Run and Time
BREAKPOINTS
RUN
bin
Editor - C:\Users\user\Desktop\Serial\bin\bursttt3.m
eng38122.m
ENG381A3.m
laplace.m
matlablapla.m
1 - commandwindow
2 - clear
3 - clc
4 - syms f(s) s
5 - u = (3.142)/((s^2) + 15*3.142*s + 24*(3.142^3))
6 - ilaplace(u)
Command Window
ans =


Breakpoints
Run
Run and Advance
Run Section
Advance
BREAKPOINTS
RUN
bin
Editor - C:\Users\user\Desktop\Serial\bin\burstttt2t.m
eng38122.m
ENG381A3.m
laplace.m
commandwindow
clear
clc
syms k w t s f(t) f(s) a
z = k*exp(-a*t)*sin(5*w*t)*cos(3*w*t)
laplace(z)
Command Window
z =