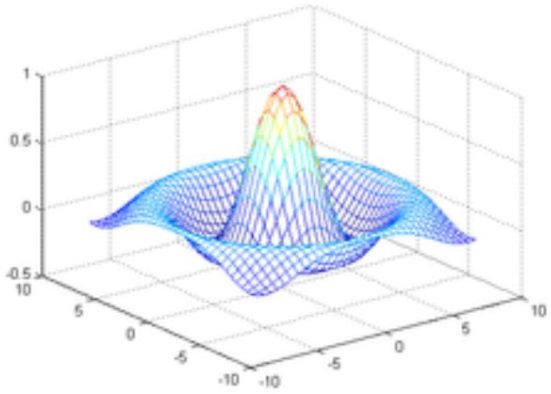
Daniel Szewczyk
Career Discovery
ETCS 105-M01
MatLab Project
11/8/15

1. Write a MatLab program that will produce the following output:




```
[X,Y]=meshgrid(-8:.5:8);
R=sqrt(X.^2+Y.^2)+eps;
Z=sin(R)./R;
figure
mesh(Z);
```

Command Window

```
    ------------------------------------------------------
        Your MATLAB license will expire in 30 days.
        Please contact your system administrator or
        go to MathWorks.com to renew this license.
    ------------------------------------------------------

        Trial License -- for use to evaluate programs for possible purchase as an end-user only.

Trial>>
Trial>> [X,Y]=meshgrid(-8:.5:8);
R=sqrt(X.^2+Y.^2)+eps;
Z=sin(R)./R;
figure
mesh(Z)
Trial>>
```

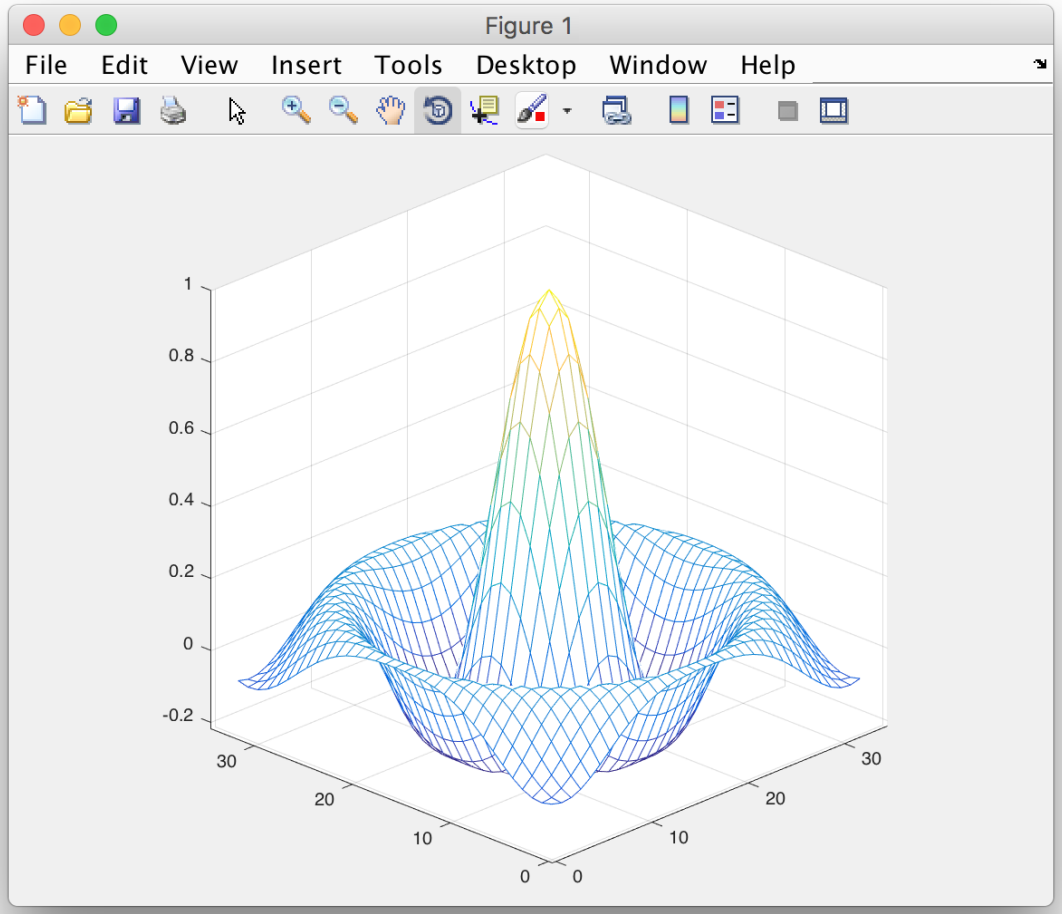


Figure 1
File Edit View Insert Tools Desktop Window Help
1
0.8
0.6
0.4
0.2
0
-0.2
30
20
10
0
0
10
20
30