

24BMH1112

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HEMISPHERE

```
clc
```

```
clear all
```

```
close all
```

```
syms r z phi rho theta
```

```
rho=3
```

```
x= rho*sin(phi)*cos(theta), y = rho*sin(phi)*sin(theta),
```

```
z= rho*cos(phi) ;
```

```
fsurf(x,y,z, [0 pi/2 0 2*pi], 'g', 'MeshDensity', 20);
```

```
Command Window
rho =
    3

x =
    3*cos(theta)*sin(phi)

y =
    3*sin(phi)*sin(theta)

>> |
```

