

24BMH1112

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## SOLIDS AND PARABOLA

```
clc
clear all
close all
syms r z theta
x = r*cos(theta); y = r*sin(theta);
fsurf(x,y,5-r^2,[0 sqrt(5) 0 2*pi], 'g', 'EdgeColor', 'none');
hold on
fsurf(x,y,r^2, [0 sqrt(5) 0 2*pi], 'y', 'EdgeColor', 'none');
axis equal; xlabel('x'); ylabel('y'); zlabel('z');
alpha 0.5
```

