

24BMH1112

Rahul LJ

VOLUME OF SOLIDS UNDER PARABOLA

```
clc
```

```
clear all
```

```
close all
```

```
syms x y z
```

```
vol = int(int(x^2+y^2, x,y/2,sqrt(y)), y, 0, 4)
```

```
viewSolidone(z,0+0*x*y,x^2+y^2,x,y/2,sqrt(y),y,0,4);
```

```
grid on;
```

```
Command Window
vol =
216/35
>>
```

