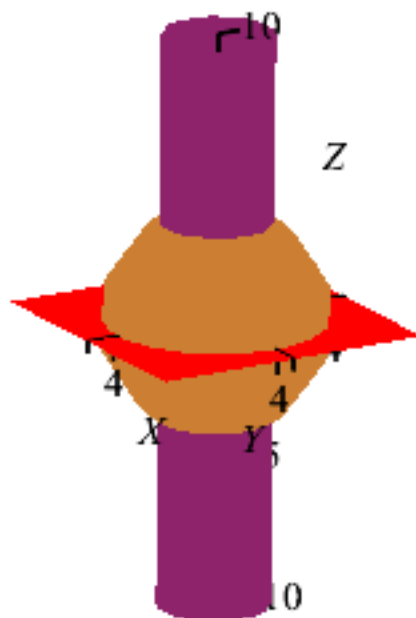


```

> with(plots) :
> implicitplot3d([x^2 + y^2 + z^2 = 16, x^2 + y^2 = 4, z = 0], x = -5 .. 5, y = -5 .. 5, z = -10 .. 10, axes
= normal, color = [gold, maroon, red], labels = [X, Y, Z])

```



```

> 2 · ∫02·Pi ∫24 √(16 - r2) · r dr dθ

```

$$32\sqrt{3}\pi$$

(1)