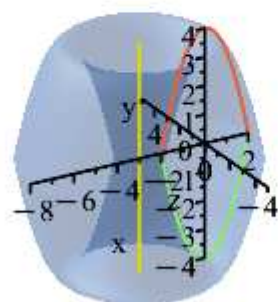




File Help

Plot Window



Display

- ☒ Volume ☐ Shells ☐ Region ☒ None

Line of Revolution

- ☐ Horizontal ☒ Vertical

Distance of rotation line from coordinate axis =

Enter 1 or 2 functions and an interval

f(x) =

g(x) =

a =

b =

Riemann sum

Method:

Number of partitions:

Volume of the Solid

$$\int_{-2}^2 2\pi (x+3) (-2x^2+8) dx$$
$$= 128\pi$$
$$= 402.1238597$$

Display

Animate

Plot Options...

Close

Maple Command

```
VolumeOfRevolution(-x^2+4, x^2-4, -2..2, 'axis'=vertical, 'distancefromaxis' = -3, 'showvolume'=true, 'showsum'=false, 'showregion'=false, 'method'=midpoint, 'partition'=6, 'output'=plot);
```