Volumes of Revolutions May 11, 2021

- 0 | **meta**
- 0.1 | see revolving shapes
- 1 | sphere

$$\int_{-2}^{2} \pi (4 - x^2) dx$$

2 | Weird cone

$$\int_0^2 \pi x^4 dx$$

3 | weird cone in the other direction

$$\int_0^4 \pi (2 - \sqrt{x})^2 dy$$

4 | pyramid slice

$$\int_0^2 2y + 2dy$$

5 | Weird balloon thing

$$\int_0^2 \pi (4 - x^2)^2 dx$$

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