



## Question

Which of the following is NOT a valid interpretation of this triple integral?

$$\int_0^1 \int_0^1 \int_0^1 (y^2 + z^2) dx dy dz$$

- A. Volume of a solid between the surface  $x = y^2 + z^2$  and the coordinate planes.
- B. Average value of  $f(x, y, z) = y^2 + z^2$  over a particular cube.
- C. The mass of a particular cube with density  $\rho(x, y, z) = y^2 + z^2$ .