Mathematics 206a: Multivariable Calculus
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Quiz #28
November 6, 2003

Let $W$ be the region bounded by the planes $x = 0, y = 0,$ and $z = 2,$ and the surface $z = x^2 + y^2$ and lying in the quadrant $x \geq 0, y \geq 0$. Compute $\iiint_{W} x \, dx \, dy \, dz$. 