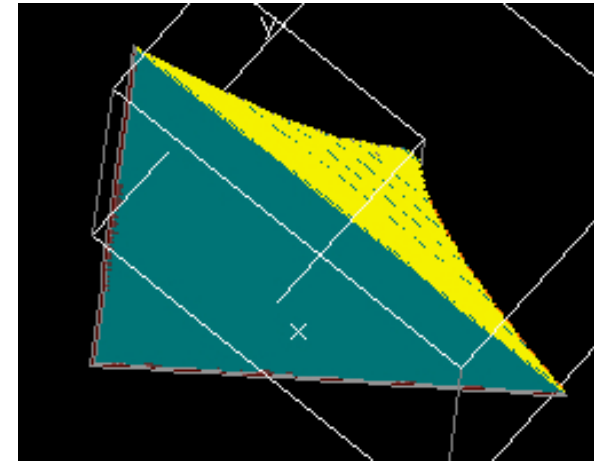


Integ. Apps – 1200

- (Calculator allowed) The base for a piece of art glass is determined by the curves $y = \frac{x^2}{2}$ and $y = -\frac{x^2}{2}$ for $1 \leq x \leq 5$. Where x and y are measure in inches. For this base, the cross sections perpendicular to the x -axis are equilateral triangles. The volume of the base in cubic inches



- A) 17.898 B) 78.100
C) 270.546 D) 849.946