

Double Integrals over Rectangles



Question

The chart shows the depths of several locations in a $10 \text{ ft} \times 12 \text{ ft}$ rectangular pool. Which of these is the best estimate for the volume of water in the pool?

	0	5	10
0	3	3	2
6	4	4	2
12	6	5	3

- A. 240 ft^3
- B. 330 ft^3
- C. 450 ft^3
- D. 570 ft^3
- E. 720 ft^3