

EXAMPLE OF A SCREEN CAPTURE USING SNAGIT

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Definition of Volume of a Solid Region

The volume of a solid region that lies above a plane region R and below the graph of f is defined as follows:

$$V = \iint_R f(x, y) dA$$

Properties of Double Integrals

Let f and g be continuous over a closed, bounded plane region R , and let c be a constant. Then the following properties hold: