Multiple Integrals - Important Topics

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Multiple Integrals

Integration extended to functions of multiple variables, including double and triple integrals.

Change of Order of Integration (Cartesian Form)

Rearranging the order of integration in double integrals to simplify computation.

Application: Area as a Double Integral

The area of a region can be computed using a double integral over the region.

Application: Volume as a Triple Integral

The volume of a solid can be determined using a triple integral over the given boundaries.