

# Numerical integration

@wikipedia

**Synonym:** Numerical integration = Quadrature

Mathematical expression expressed in the form of procedure of calculating the numerical value of a definite integral of some function  $f(x)$ :

$$(1) \quad I = \int_a^b f(x) dx$$

## See also

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[Formal science](#) / [Mathematics](#) / [Calculus](#) / [Mathematical expression](#)

[ [Quadrature](#) ] [ [Implicit expression](#) ] [ [Analytic expression](#) ] [ [Closed-form expression](#) ]