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Table of integrals, series, and products. Transl. from the Russian by Scripta Technica, Inc.
5th ed. (English) [Zbl 0918.65002](#)

Boston, MA: Academic Press, Inc. xlvii, 1204 p. (1994).

Publisher's description: This handbook is the Fifth Edition of one of Academic Press's all-time best-sellers. The volume, which contains nearly 20,000 formulae for integrals, sums, series, products, and special functions, is the major reference source for integrals in the English language. It is an essential reference for mathematicians, scientists, and engineers, who rely on it when identifying and subsequently solving extremely complex problems.

Contents: Introduction. Elementary Functions. Indefinite Integrals of Elementary Functions. Definite Integrals of Elementary Functions. Indefinite Integrals of Special Functions. Definite Integrals of Special Functions. Special Functions. Vector Field Theory. Algebraic Inequalities. Integral Inequalities. Matrices and Related Results. Determinants. Norms. Ordinary Differential Equations. Fourier, Laplace and Mellin Transforms. Bibliographic References. Classified Supplementary References.

MSC:

- [65A05](#) Tables in numerical analysis
- [00A22](#) Formularies
- [33-00](#) General reference works (handbooks, dictionaries, bibliographies, etc.) pertaining to special functions
- [40-00](#) General reference works (handbooks, dictionaries, bibliographies, etc.) pertaining to sequences, series, summability

Cited in **4** Reviews
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