1. Record Nr. UNINA9910822269203321 Autore Gradshtein I. S (Izrail Solomonovich) Titolo Table of integrals, series, and products / / I.S. Gradshteyn and I.M. Ryzhik; Alan Jeffrey, editor; Daniel Zwillinger, associate editor; translated from the Russian by Scripta Technica, Inc San Diego, : Academic Press, c2000 Pubbl/distr/stampa **ISBN** 1-281-79535-6 9786611795351 0-08-054222-0 Edizione [6th ed.] Descrizione fisica 1 online resource (1213 p.) Altri autori (Persone) Ryzhikl. M (Iosif Moiseevich) JeffreyAlan Disciplina 515/.0212 Soggetti Mathematics Logarithms Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references (p. 1133-1142) and indexes. Nota di contenuto Front Cover; Table of Integrals, Series, and Products; Copyright Page; Contents; Preface to the Sixth Edition; Acknowledgments; The order of presentation of the formulas; Use of the tables; Special functions; Notation; Note on the bibliographic references; Chapter 0. Introduction; 0.1 Finite sums; 0.2 Numerical series and infinite products; 0.3 Functional series: 0.4 Certain formulas from differential calculus; Chapter 1. Elementary Functions; 1.1 Power of Binomials; 1.2 The Exponential Function; 1.3-1.4 Trigonometric and Hyperbolic Functions; 1.5 The Logarithm 1.6 The Inverse Trigonometric and Hyperbolic FunctionsChapter 2. Indefinite Integrals of Elementary Functions; 2.0 Introduction; 2.1 Rational functions; 2.2 Algebraic functions; 2.3 The Exponential Function; 2.4 Hyperbolic Functions; 2.5-2.6 Trigonometric Functions; 2.7 Logarithms and Inverse-Hyperbolic Functions; 2.8 Inverse Trigonometric Functions; Chapter 3-4. Definite Integrals of Elementary Functions; 3.0 Introduction; 3.1-3.2 Power and Algebraic Functions;

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Sommario/riassunto

The Table of Integrals, Series, and Products is the major reference source for integrals in the English language. It is designed for use by mathematicians, scientists, and professional engineers who need to solve complex mathematical problems. *Completely reset edition of Gradshteyn and Ryzhik reference book*New entries and sections kept in orginal numbering system with an expanded bibliography*Enlargement of material on orthogonal polynomials, theta functions, Laplace and Fourier transform pairs and much more. orthogonal polynomials, theta functions, Laplace and Fourier tr