

1. Record Nr.	UNINA9910457583103321
Autore	Boros George <1947->
Titolo	Irresistible integrals : symbolics, analysis, and experiments in the evaluation of integrals // George Boros, Victor H. Moll [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2004
ISBN	1-107-14351-9 1-280-54103-2 9786610541034 0-511-21507-X 0-511-21686-6 0-511-21149-X 0-511-31555-4 0-511-61704-6 0-511-21326-3
Descrizione fisica	1 online resource (xiv, 306 pages) : digital, PDF file(s)
Disciplina	515/.43
Soggetti	Definite integrals
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references (p. 276-297) and index.
Nota di contenuto	Cover; Half-title; Title; Copyright; Dedication; Contents; Preface; 1 Factorials and Binomial Coefficients; 2 The Method of Partial Fractions; 3 A Simple Rational Function; 4 A Review of Power Series; 5 The Exponential and Logarithm Functions; 6 The Trigonometric Functions and Pi; 7 A Quartic Integral; 8 The Normal Integral; 9 Euler's Constant; 10 Eulerian Integrals: The Gamma and Beta Functions; 11 The Riemann Zeta Function; 12 Logarithmic Integrals; 13 A Master Formula; Appendix: The Revolutionary WZ Method; Bibliography; Index
Sommario/riassunto	The problem of evaluating integrals is well known to every student who has had a year of calculus. It was an especially important subject in 19th century analysis and it has now been revived with the appearance of symbolic languages. In this book, the authors use the problem of exact evaluation of definite integrals as a starting point for exploring

many areas of mathematics. The questions discussed in this book, first published in 2004, are as old as calculus itself. In presenting the combination of methods required for the evaluation of most integrals, the authors take the most interesting, rather than the shortest, path to the results. Along the way, they illuminate connections with many subjects, including analysis, number theory, algebra and combinatorics. This will be a guided tour of exciting discovery for undergraduates and their teachers in mathematics, computer science, physics, and engineering.

2. Record Nr.	UNINA9910815363403321
Autore	Honig Florian
Titolo	Automatic assessment of prosody in second language learning // Florian Honig
Pubbl/distr/stampa	Berlin : , : Logos Verlag, , [2017] ©2017
ISBN	3-8325-9263-6
Descrizione fisica	1 online resource (264 pages)
Collana	Studien zur Mustererkennung
Disciplina	418.0076
Soggetti	Second language acquisition - Ability. testing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	PublicationDate: 20171123
Sommario/riassunto	Long description: Worldwide there is a universal need for second language language learning. It is obvious that the computer can be a great help for this, especially when equipped with methods for automatically assessing the learner's pronunciation. While assessment of segmental pronunciation quality (i. ,e. whether phones and words are pronounced correctly or not) is already available in commercial software packages, prosody (i.e. rhythm, word accent, etc.) is largely ignored---although it highly impacts intelligibility and listening effort. The present thesis contributes to closing this gap by developing and analyzing methods for automatically assessing the prosody of non-native speakers. We study the detection of word accent errors and the

general assessment of the appropriateness of a speaker's rhythm. We propose a flexible, generic approach that is (a) very successful on these tasks, (b) competitive to other state-of-the-art result, and at the same time (c) flexible and easily adapted to new tasks.

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