

# Analytic Theory and Applications: Encyclopedia of Mathematics and Its Applications

The Analytic Theory and Applications Encyclopedia of Mathematics and Its Applications is a comprehensive and authoritative reference work that provides a detailed and up-to-date account of the analytic theory of functions of one and several complex variables. The encyclopedia is divided into four volumes, each of which covers a different aspect of the theory.



## Continued Fractions: Analytic Theory and Applications (Encyclopedia of Mathematics and its Applications

**Book 11)** by William B. Jones

★★★★★ 5 out of 5

Language : English

File size : 22917 KB

Print length : 460 pages

Screen Reader : Supported

X-Ray for textbooks : Enabled



Volume 1 covers the basic theory of functions of one complex variable, including topics such as complex numbers, analytic functions, the Cauchy-Riemann equations, and the Riemann mapping theorem. Volume 2 covers the theory of functions of several complex variables, including topics such as holomorphic functions, harmonic functions, and the Levi-Civita theorem. Volume 3 covers the theory of meromorphic functions, including topics such

as the Mittag-Leffler theorem, the Weierstrass factorization theorem, and the Riemann-Roch theorem. Volume 4 covers the applications of the analytic theory of functions of one and several complex variables to other areas of mathematics, including topics such as number theory, algebraic geometry, and differential equations.

The Analytic Theory and Applications Encyclopedia of Mathematics and Its Applications is an essential reference work for mathematicians, physicists, and engineers who work with functions of complex variables. The encyclopedia is also a valuable resource for students who are studying complex analysis.

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## **Reviews**

"The Analytic Theory and Applications Encyclopedia of Mathematics and Its Applications is a monumental work that will be an invaluable resource for mathematicians, physicists, and engineers for many years to come." -

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"This encyclopedia is a must-have for anyone who works with functions of complex variables." - **Mathematical Reviews**

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## **About the Authors**

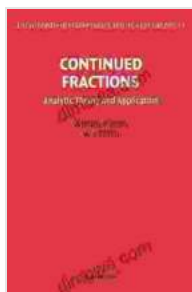
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