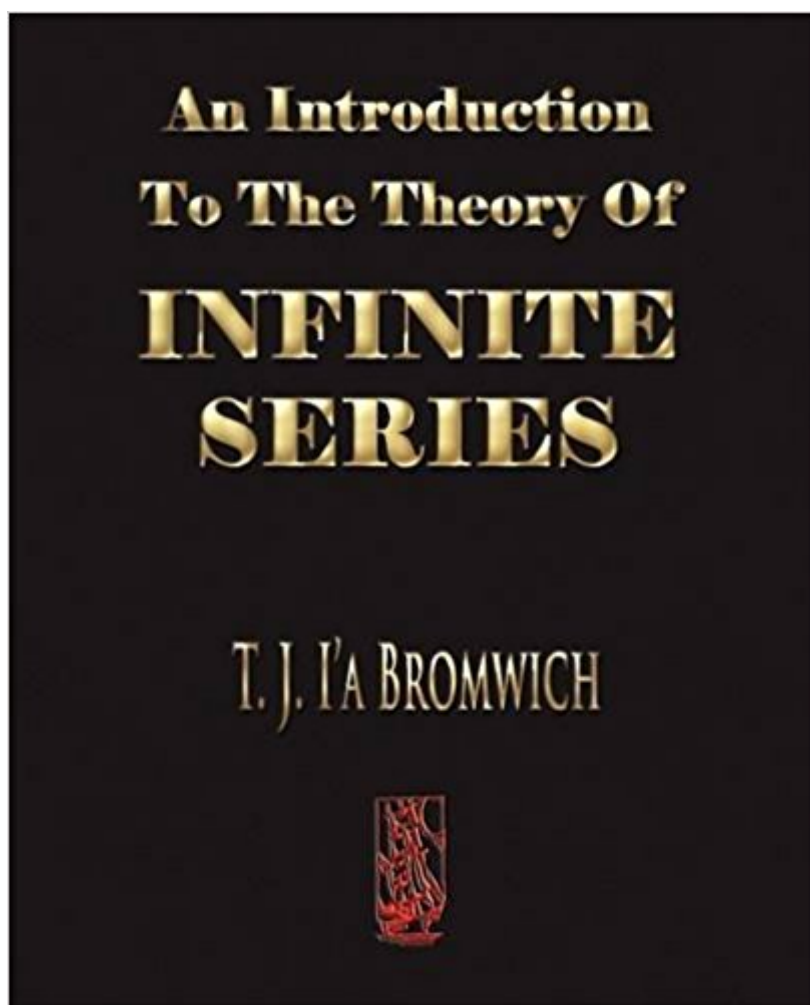# An Introduction To The Theory Of Infinite Series

An Introduction
To The Theory Of
INFINITE
SERIES

T. J. I'A BROMWICH

Synopsis

An unabridged, digitally enlarged printing of the first edition, to contain over 600 examples.

Book Information

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Average Customer Review: 5.0 out of 5 starsÂ Â See all reviewsÂ (2 customer reviews)

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Customer Reviews

This book was based on a series lectures in "elementary" analysis given between 1902 and 1907 by Bromwich at Queen's College. Godfrey Hardy, the pure mathematician par excellence from Cambridge, read the manuscript. The material is anything but elementary and says a lot about the standards at the time. The level is essentially pitched at Cambridge's Tripos candidates at that time. The "easy miscellaneous examples" at the end of the book are anything but easy. Many of the problems have names like Dirichlet, Osgood, Pringsheim, Du Bois Reymond, Hardy, Borel etc attached to them. You get the picture. The depth of treatment of convergence of series is much greater than is the case with modern courses on analysis. There is extensive material on various tests: Abel, Weierstrass, Dirichlet, Tannery etc all based on some hard core analysis. If you want to really understand the Gamma function,, say, there is a lot of material (way beyond the stuff given in the standard treatments) that will expand your knowledge. If, for instance, you really want to understand convergence of the Poisson integral or the convergence of the integral of the sinc function (sin x / x) there is a wealth of material. Students who want to understand more advanced analytical techniques such as Tauberian theorems will find the book useful.This is not a book for lazy students or those who are having trouble with the concept of limit. It is really pitched at top students and will reward them with the depth of the material contained therein. It is a snobbish book at one level but leaving that aside the material is very useful for a student who is seriously interested

in analytical techniques.

PERFECT!!!

An Introduction To The Theory Of Infinite Series Theory And Application Of Infinite Series Spectral Theory of Infinite-Area Hyperbolic Surfaces (Progress in Mathematics) The Higher Infinite: Large Cardinals in Set Theory from Their Beginnings (Springer Monographs in Mathematics) Groups, Graphs and Trees: An Introduction to the Geometry of Infinite Groups (London Mathematical Society Student Texts) Medicine's Dilemmas: Infinite Needs versus Finite Resources (Yale Fastback Series) Infinite Series (Dover Books on Mathematics) Red and White Quilts: Infinite Variety: Presented by The American Folk Art Museum Respect the Spindle: Spin Infinite Yarns with One Amazing Tool Chip Carved Christmas Ornaments: 20 Patterns with Infinite Variations Telecosm: How Infinite Bandwidth Will Revolutionize Our World You Can Ask The Universe Anything: Learn How to Tap Into the Infinite Field of Intelligence for Greater Clarity, Power & Insight The Infinite Book: A Short Guide to the Boundless, Timeless and Endless Infinite Jest: A Novel -- 20th Anniversary Edition The Infinite's Ash Love Letters To The Infinite The Infinite Character of King Arthur: His History and Legend, His Camelot and Avalon Infinite Regress: Marcel Duchamp 1910-1941 (October Books) Infinite Magic (Dragon's Gift: The Huntress Book 5) Infinite Possibilities: The Art of Living Your Dreams