Infinite Series

Hyslop, James M

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Infinite Series James M Hyslop

James Morton Hyslop

Infinite Series James M Hyslop:

Infinite series James Morton Hyslop, 1954 **Infinite Series** James M Hyslop, 2012-05-11 This concise text focuses on the convergence of real series Topics include functions and limits real sequences and series series of non negative terms general series series of functions the multiplication of series more 1959 edition The Mathematical Mind of F. M. Dostoevsky Michael Marsh-Soloway, 2024-11-19 The Mathematical Mind of F M Dostoevsky Imaginary Numbers Non Euclidean Geometry and Infinity reconstructs the curriculum and readings that F M Dostoevsky encountered during his studies and connects such sources to the mathematical references and themes in his published works Prior to becoming a man of letters Dostoevsky studied at the Main Engineering School in St Petersburg from 1838 to 1843 After he was arrested submitted to mock execution by firing squad and sentenced to penal servitude in Siberia for his involvement in the revolutionary Petrashevsky Circle in 1849 most of his books and journals from the period of his education were confiscated and destroyed by the Third Section of the Russian Secret Police Although most scholars discount the legacy of his engineering studies the literary aesthetics of his works communicate an acute awareness of mathematical principles and debates This book unearths subtexts in works by Dostoevsky communicating veins of mathematical thought that evolved throughout Classical Antiquity the Renaissance and the Scientific Revolution **Mathematical Methods for Scientists** and Engineers Donald Allan McQuarrie, 2003 Intended for upper level undergraduate and graduate courses in chemistry physics math and engineering this book will also become a must have for the personal library of all advanced students in the physical sciences Comprised of more than 2000 problems and 700 worked examples that detail every single step this text is exceptionally well adapted for self study as well as for course use From publisher description Introduction to Finite and <u>Infinite Series and Related Topics</u> J. H. Heinbockel, 2010-12 An introduction to the analysis of finite series infinite series finite products and infinite products and continued fractions with applications to selected subject areas Infinite series infinite products and continued fractions occur in many different subject areas of pure and applied mathematics and have a long history associated with their development The mathematics contained within these pages can be used as a reference book on series and related topics The material can be used to augment the mathematices found in traditional college level mathematics course and by itself is suitable for a one semester special course for presentation to either upper level undergraduates or beginning level graduate students majoring in science engineering chemistry physics or mathematics Archimedes used infinite series to find the area under a parabolic curve The method of exhaustion is where one constructs a series of triangles between the arc of a parabola and a straight line A summation of the areas of the triangles produces an infinite series representing the total area between the parabolic curve and the x axis The National Union Catalog, Pre-1956 Imprints Library of Congress, American Library Association. Committee on Resources of American Libraries. National Union Catalog Subcommittee, 1973 A Discrete Transition to Advanced Mathematics Bettina

Richmond, Thomas Richmond, 2009 As the title indicates this book is intended for courses aimed at bridging the gap between lower level mathematics and advanced mathematics. The text provides a careful introduction to techniques for writing proofs and a logical development of topics based on intuitive understanding of concepts. The authors utilize a clear writing style and a wealth of examples to develop an understanding of discrete mathematics and critical thinking skills. While including many traditional topics the text offers innovative material throughout Surprising results are used to motivate the reader. The last three chapters address topics such as continued fractions infinite arithmetic and the interplay among Fibonacci numbers. Pascal s triangle and the golden ratio and may be used for independent reading assignments. The treatment of sequences may be used to introduce epsilon delta proofs. The selection of topics provides flexibility for the instructor in a course designed to spark the interest of students through exciting material while preparing them for subsequent proof based courses.

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