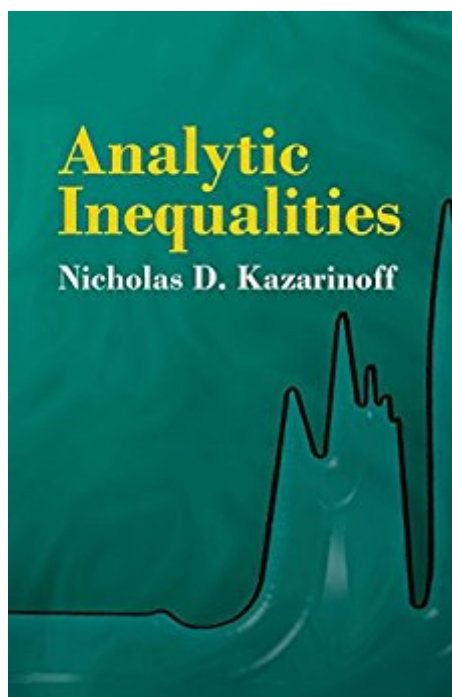# Analytic Inequalities (Dover Books On Mathematics)

Synopsis

Mathematical analysis is largely a systematic study and exploration of inequalities â " but for students the study of inequalities often remains a foreign country, difficult of access. This book is a passport to that country, offering a background on inequalities that will prepare undergraduates (and even high school students) to cope with the concepts of continuity, derivative, and integral.Beginning with explanations of the algebra of inequalities and conditional inequalities, the text introduces a pair of ancient theorems and their applications. Explorations of inequalities and calculus cover the number e, examples from the calculus, and approximations by polynomials. The final sections present modern theorems, including Bernstein's proof of the Weierstrass approximation theorem and the Cauchy, Bunyakovskii, HÃ¶lder, and Minkowski inequalities. Numerous figures, problems, and examples appear throughout the book, offering students an excellent foundation for further studies of calculus.

Book Information

File Size: 2931 KB

Print Length: 89 pages

Publisher: Dover Publications (August 19, 2014)

Publication Date: August 19, 2014

Sold by:Â Digital Services LLC

Language: English

ASIN: B00N3L2X1W

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #1,056,274 Paid in Kindle Store (See Top 100 Paid in Kindle Store)   #58 inÂ Kindle Store > Kindle eBooks > Nonfiction > Science > Mathematics > Pure Mathematics > Functional Analysis   #386 inÂ Kindle Store > Kindle eBooks > Nonfiction > Science > Mathematics > Pure Mathematics > Calculus   #414 inÂ Books > Science & Math > Mathematics > Pure Mathematics > Functional Analysis

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Excellent book and excellent service!

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