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Text: The primary text for this course is Complex Analysis by Stein and Shakarchi [S-S]. Students should feel free to consult other books for additional exercises and/or alternative

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used throughout analytic number ...

## **Complex analysis - Wiki**

Complex Analysis by E. Stein and R. Shakarchi Other good books are: Ahlfors's Complex Analysis, and Conway's Functions of one complex variable.

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## **Math 215A: Complex Analysis, Autumn 2011**

Stein and Shakarchi move from an introduction addressing Fourier series and integrals to in-depth considerations of complex analysis; measure and integration theory, and Hilbert spaces; and, finally, further topics such as functional analysis, distributions and



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elements of probability theory.

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I am confused by the definitions put up for a branch of logarithm. I have two questions in mind. Why do some books define a branch on just an open subset whereas some books define it on an

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and the textbook is Complex Analysis by Stein and Shakarchi (ISBN13: 978-0-691-11385-2). Note to students: it's nice to include the statement of the problems, but I leave that up to you.

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Yuzhong (Jeff) Meng and Liyang Zhang  
(2010) 3

## **Math 372: Fall 2017: Solutions to Homework**

Elias M. Stein, Rami Shakarchi This first volume, a three-part introduction to the subject, is intended for students with a

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beginning knowledge of mathematical analysis who are motivated to discover the ideas that shape Fourier analysis.

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