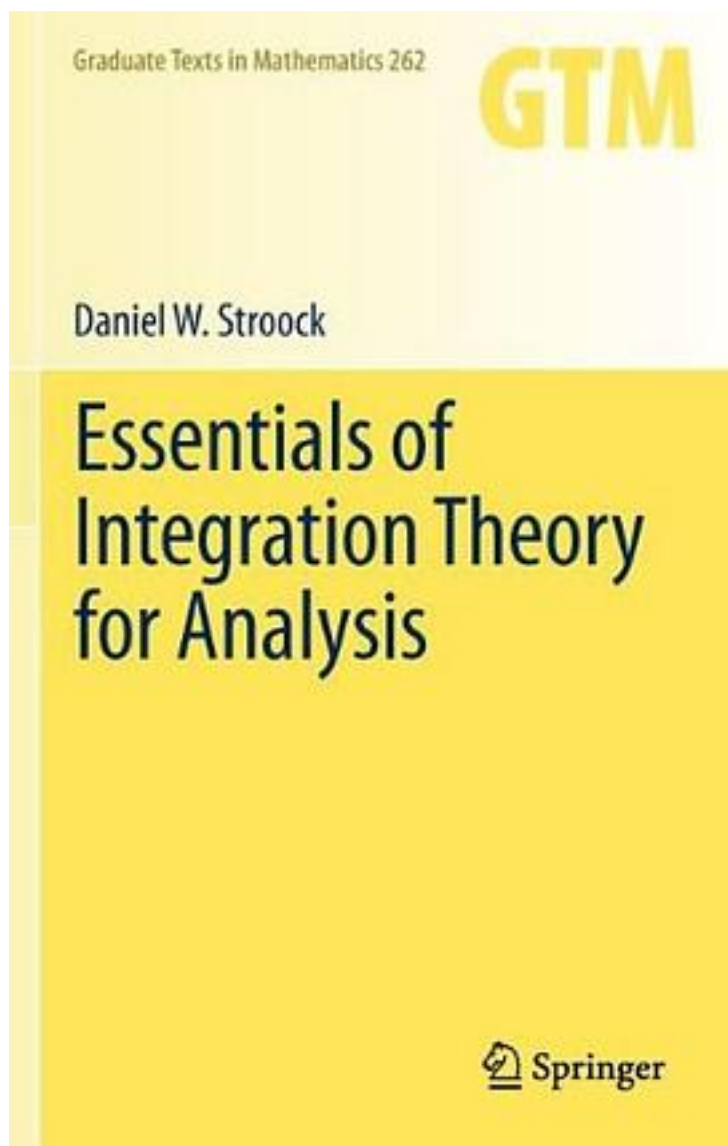


Essentials of Integration Theory for Analysis



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Refocus and substantial revision of previous successful publication "A Concise Introduction to the Theory of Integration" by D.W. Stroock (Birkhauser)

Separate solutions manual available to those who adopt the textbook

New material is complemented by the addition of several new problems

Essentials of Integration Theory for Analysis is a substantial revision of the best-selling Birkhäuser title by the same author, A Concise Introduction to the Theory of Integration. Highlights of this new textbook for the GTM series include revisions to Chapter 1 which add a section about the rate of convergence of Riemann sums and introduces a discussion of the Euler–MacLauren formula. In Chapter 2, where Lebesgue’s theory is introduced, a construction of the countably additive measure is done with sufficient generality to cover both Lebesgue and Bernoulli measures. Chapter 3 includes a proof of Lebesgue’s differential theorem for all monotone functions and the concluding chapter has been expanded to include a proof of Carathéory’s method for constructing measures and his result is applied to the construction of the Hausdorff measures.

This new gem is appropriate as a text for a one-semester graduate course in integration theory and is complimented by the addition of several problems related to the new material. The text is also highly useful for self-study. A complete solutions manual is available for instructors who adopt the text for their courses.

作者介绍:

Daniel W. Stroock is now Emeritus professor of the mathematics department at MIT. He is a renowned mathematician in the areas of analysis and probability theory and stochastic processes.

Prof. Stroock has had an active career in both the research and administrative levels of academia. From 2002-2006, he was selected the first holder of the second Simons Professorship of Mathematics. He has served as Chair of the Pure Math Committee from 1995-1997; a board member of the National Research Council. He has also chaired various committees of the AMS and was a nominee for AMS President in 1999. In 1996, the AMS awarded Dan Stroock (jointly with S. Varadhan), the Leroy P. Steele Prize for his seminal contributions to research in stochastic equations. Prof. Stroock is a member of both the American Academy of Arts and Sciences and the National Academy of Sciences.

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标签

数学

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评论

老大们写的东西，符号基本都是自己瞎编的，非常丑。

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书评

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