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The fundamentals of analysis for talented freshmen.

Synthesis Lectures on Mathematics and Statistics 17. San Rafael, CA: Morgan & Claypool Publishers (ISBN 978-1-62705-457-7/pbk; 978-1-62705-951-0/ebook). 98 p. (2016).

Publisher's description: This book assumes the students know some of the basic facts about calculus. We are very rigorous and expose them to the proofs and the ideas which produce them. In three chapters, this book covers these number systems and the material usually found in a junior-senior advanced calculus course. It is designed to be a one-semester course for "talented" freshmen. Moreover, it presents a way of thinking about mathematics that will make it much easier to learn more of this subject and be a good preparation for more of the undergraduate curriculum.

Classification: I15

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