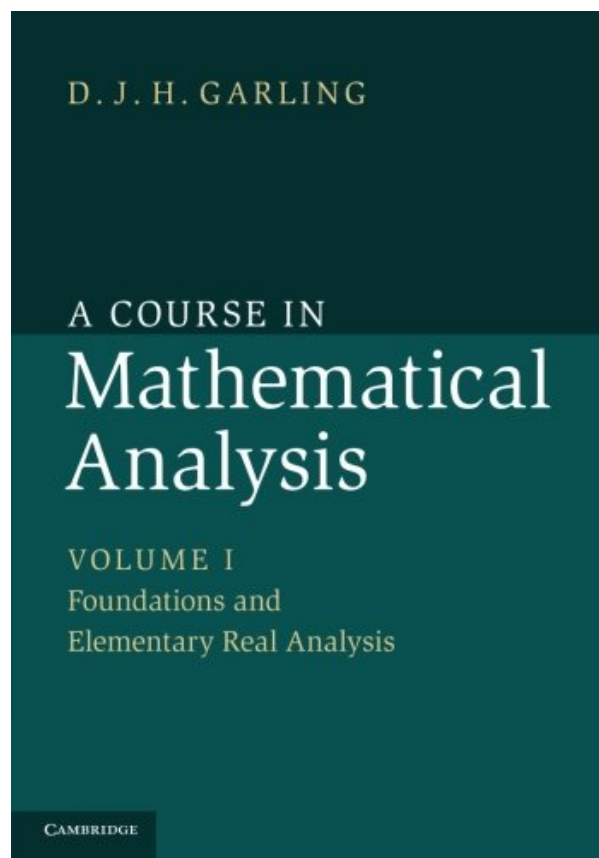


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About the Author

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Great Introduction for Undergraduates

By Emil Haugen

A really great introduction to real analysis which demands basically no prerequisites, something that fitted me very well. There is even a brief summary of set/number theory (in the Prologue) which is developed further in chapter two to deal with Abelian groups, rings, fields, morphisms and some interesting -if not immediately useful for this book- rudimentary number theory. For the better prepared student the author states clearly that the first section (chpts. 1,2 on set and number theory can be omitted but they're still nice to have in my opinion.) My only problem with that element of the book was that the first two chapters introduced a lot of new notation, sometimes without any clear explanation of what it meant. However, this is not vital to the understanding of the book and thus a pretty tiny drawback. The treatment of sequences and series and convergence and continuity to be particularly crisp and understandable. There is also a lot of "additional" material such as an introduction to Fourier series and a wide range of applications, for example the Gamma function and the Riemann Zeta function.

All in all a very concise book (even with the prologue), just shy of 300 pages but still comprehensive in its description of the fundamentals of real analysis. (And, for the undergraduate level, this is much better suited than Rudin, which to me seems like a better fit for more mature mathematicians (i.e. graduates).)

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