

Foreword

This third volume concludes our introduction to analysis, wherein we finish laying the groundwork needed for further study of the subject.

As with the first two, this volume contains more material than can be treated in a single course. It is therefore important in preparing lectures to choose a suitable subset of its content; the remainder can be treated in seminars or left to independent study. For a quick overview of this content, consult the table of contents and the chapter introductions.

This book is also suitable as background for other courses or for self study. We hope that its numerous glimpses into more advanced analysis will arouse curiosity and so invite students to further explore the beauty and scope of this branch of mathematics.

In writing this volume, we counted on the invaluable help of friends, colleagues, staff, and students. Special thanks go to Georg Prokert, Pavol Quittner, Olivier Steiger, and Christoph Walker, who worked through the entire text critically and so helped us remove errors and make substantial improvements. Our thanks also goes out to Carlheinz Kneisel and Bea Wollenmann, who likewise read the majority of the manuscript and pointed out various inconsistencies.

Without the inestimable effort of our “typesetting perfectionist”, this volume could not have reached its present form: her tirelessness and patience with \TeX and other software brought not only the end product, but also numerous previous versions, to a high degree of perfection. For this contribution, she has our greatest thanks.

Finally, it is our pleasure to thank Thomas Hintermann and Birkhäuser for their usual flexibility and friendly cooperation.

Zürich and Hannover, July 2001

H. Amann and J. Escher

Foreword to the English translation

We are again much obliged to Silvio Levy and Matt Cargo for their careful and accurate translation of this last part of the original German treatise. Special thanks go to Thomas Hempfling from Birkhäuser Verlag for rendering possible this translation so that our analysis course is now available to a larger audience.

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