

BOOK REVIEW

R. Nevanlinna und V. Paatero: Einführung in die Funktionentheorie.
Birkhäuser Verlag, Basel, Switzerland, 1965.
388 pages, price Sfr. 56.-.

In this book the elements of the theory of functions are treated in a thorough and very clear way. It is in the true sense a "textbook", providing anyone with some knowledge of analytical geometry and infinitesimal calculus with a complete course of the theory of complex functions. It is very suited for technical students and engineering scientists who want to brush up or deepen their knowledge in this field.

The authors take the theory of conformal mapping as starting-point for the treatment of the rest of the subject. A great number of illustrative examples is worked out, while at the end of each chapter a number of exercises is given, 320 in all for the whole book.

The completeness of the book is demonstrated by such sections as the systematic introduction of complex numbers, stereographic projection, the Riemann-surfaces of elementary functions, theory and application of harmonic functions, the Riemann zeta-function.

No references to literature are given, which can be a slight disadvantage for those who want to extend their interest to more advanced subjects.

H. W. Hoogstraten.