REVIEWS AND DESCRIPTIONS OF TABLES AND BOOKS

The numbers in brackets are assigned according to the indexing system printed in Volume 28, Number 128, October 1974, pages 1191–1194.

1 [14].–H. A. LAUWERIER, *Asymptotic Analysis,* Mathematisch Centrum, Amsterdam, 1974, i + 145 pp., 25 cm. Price Dfl. 16.

This little book contains the expanded lecture notes of courses on asymptotic methods given for students in mathematical physics at the University of Amsterdam. The book is entirely devoted to the study of asymptotic series and asymptotic evaluation of integrals. The standard topics are covered, e.g., the methods of Laplace and Kelvin, the saddle point method of stationary phase, etc. Each topic is illustrated with examples which are worked out in detail. In addition, various special topics are discussed such as the asymptotic behavior of Cauchy integrals and asymptotics in the theory of probability.

The book is clearly and carefully written and would, with some supplementary material on differential equations, make an excellent text.

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2 [2].–L. COLLATZ & W. WETTERLING, Editors, *Numerische Methoden bie Optimerungs-aufgaben,* Band 2, ISNM International Series of Numerical Mathematics, Vol. 23, Birkhäuser Verlag, Basel, 1974, 165 pp., 25 cm. Price $13.00.

This volume contains papers presented at a meeting organized by L. Collatz and W. Wetterling on "Numerical Methods in Optimization Problems" held November 18–24, 1973 at the Mathematical Research Institute at Oberwolfach.

J. B.

3 [3.15], [5.15].–L. COLLATZ & K. P. HADELER, Editors, *Numerische Behandlung von Eigenwertaufgaben,* ISNM International Series of Numerical Mathematics, Vol. 24, Birkhäuser Verlag, Basel, 1974, 142 pp., 25cm. Price $12.00.

This volume contains papers presented at a meeting organized by L. Collatz and K. P. Hadeler on "Numerical Treatment of Eigenvalue Problems" held November 19–24, 1972 at the Mathematical Research Institute at Oberwolfach.

J. B.

4 [2.05].–P. L. BUTZER & B. SZ.-NAGY, *Linear Operators and Approximation.* II, ISNM International Series of Numerical Mathematics, Vol. 25, Birkhäuser Verlag, Basel, 1974, 585 pp., 25 cm. Price $33.00.

This volume contains papers presented at a meeting organized by P. L. Butzer and B. Sz.-Nagy on "Linear Operators and Approximation. II" held March 30 to April 6, 1974, at the Mathematical Research Institute at Oberwolfach.

J. B.

5 [3.15].–B. T. SMITH, J. M. BOYLE, B. S. GARBOW, Y. IKEBE, V. C. KLEMA & C. B. MOLER, *Matrix Eigensystem Routines–EISPACK Guide,* Springer-Verlag, Berlin, 1974, 387 pp., 24cm. Price $11.50.