

## REVIEWS AND DESCRIPTIONS OF TABLES AND BOOKS

The numbers in brackets are assigned according to the indexing system printed in Volume 22, Number 101, January 1968, page 212.

**29** [2.05, 2.05.6, 6].—P. L. BUTZER, J.-P. KAHANE & B. SZ.-NAGY, Editors, *Linear Operators and Approximation*, ISNM vol. 20, Birkhäuser Verlag, Basel, Switzerland, 1972, 506 pp., 25 cm. Price sfr.84.—.

This book contains the lectures presented at the conference on *Linear Operators and Approximation* held at the Oberwolfach Mathematical Research Institute, August 14–22, 1971. Four papers are included in addition to the 38 lectures presented. The fly leaf states that the book's goal is to "elucidate the actual state of research in the vast field of approximation and related topics", but the book's title better indicates the main thrust of the book. Thus, one does obtain a good sampling of current (in 1971) research in the area described by the key words: approximation theory, functional analysis and operator theory.

The number of papers and their length preclude individual mention of the papers. The average is at the high quality that one expects from an Oberwolfach conference. The papers are divided into five sections as follows:

1. Operator Theory (9 papers)
2. Topics in Functional Analysis (8 papers)
3. Approximation in Abstract Spaces (9 papers)
4. Harmonic Analysis and Approximation (7 papers)
5. Spline and Algebraic Approximation (9 papers).

There is a large and interesting set of new and unsolved problems which were collected during the conference.

The quality of production is high with few misprints although there is some puzzling use of small type on pages 475–477.

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**30** [2.05, 2.10, 2.15, 2.25, 2.30, 2.35, 4, 13.05, 13.15, 13.35].—P. R. GRAVES-MORRIS, Editor, *Padé Approximants and their Applications*, Proceedings of a Conference held at the University of Kent, Canterbury, England, July 17–21, 1972, Academic Press, London and New York, 1973, x + 354 pp., 23 cm. Price £5.50.