

ADVANCES IN MATHEMATICS 18, 359 (1975)

## Book Reviews

F. JOHN, *Partial Differential Equations*, Springer, 1975, 250 pp. The best introduction to partial differential equations written by one of the greatest living analysts.

V. G. ROMANOV, *Integral Geometry and Inverse Problems for Hyperbolic Equations*, Springer, 1974, 152 pp. Treats a special class of inverse problems, with a strong slant towards applications.

A. V. SKOROHOD, *Integration in Hilbert Space*, Springer, 1974, 177 pp. Survey of an active corner of infinite-dimensional functional analysis. Strictly limited to contributions and style of the Soviet school.

D. SLEPIAN (Ed.), *Key Papers in the Development of Information Theory*, IEEE Press, 1974, 461 pp. Why are there so few collections of reprints of this kind in mathematics? Often, they make the best textbooks. This one is a model to be imitated.

F. F. BONSALL AND J. DUNCAN, *Complete Normal Algebras*, Springer, 1973, 301 pp. The best book on the subject since Rickart's. Clear and concise, yet thorough. A great deal of material is collected here for the first time.

A. M. MATHAI AND R. K. SAXENA, *Generalized Hypergeometric Functions with Applications in Statistics and Physical Sciences*, Springer, 1973, 314 pp. Largely a treatise on the Meijer  $G$ -function, expansions connected with it, and some statistical applications. The Meijer  $G$ -function is notationally very awkward, and eventually the suspicion arises that such awkwardness is only a symptom of conceptual obscurity.

G.-C. ROTA  
EDITOR