Operations Research

Books Received

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The level of mathematical rigor is just about right. The author is careful about such things as continuity assumptions without being overly careful—intuition and graphs are used freely to illustrate the ideas.

The explanations of the theory are clear and easy to read, and it looks like a good textbook. It might have been improved by introducing some modern nonlinear programming theory very early in the book, instead of introducing optimization through the classical theory. Such topics as duality, conjugate functions, PR space, linear supports, penalty functions, etc., should be introduced to students who are just beginning to learn optimization theory. These topics not only provide valuable tools, but often give a clearer insight into optimization problems than the classical topics do.

In spite of the above mentioned minor objections, I recommend the book for the library of almost anybody who solves optimization problems.

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Books Received

F. BARTHOLOMES AND G. HOTZ, *Homomorphismen und Reduktionen Linearer Sprachen*, Springer-Verlag, New York, N. Y., 1970, 143 pages $3.90 (paper).

NEIL W. CHAMBERLAIN (editor), *Business and the Cities*, Basic Books, New York, N. Y., 1970, 520 pages, $12.50.

LEON COOPER AND DAVID STEINBERG, *Introduction to Methods of Optimization*, W. B. Saunders Co., Philadelphia, Pa., 1970, 381 pages, $12.50.

MORRIS H. DE GROOT, *Optimal Statistical Decisions*, McGraw-Hill, New York, N. Y., 488 pages, $14.50.

F. FERSCHL, *Markovketten*, Springer-Verlag, New York, N. Y., 1970, 168 pages, $3.90 (paper).

WILLIAM F. GROSS, *Applications Manual for Paint and Protective Coatings*, McGraw-Hill, New York, N.Y., 1970, 270 pages, $13.50.

VIRGINIA HELD, *The Public Interest and Individual Interests*, Basic Books, New York, N.Y., 1970, 242 pages, $6.95.

K. HINDERER, *Foundations of Nonstationary Dynamic Programming with Discrete Time Parameter*, Springer-Verlag, New York, N.Y., 1970, 160 pages, $4.40 (paper).

JAN H. B. M. HUYSMANS, *The Implementation of Operations Research: An Approach to the Joint Consideration of Social and Technological Aspects*, Wiley-Interscience, New York, N.Y., 1970, 234 pages, $11.95.

NORMAN JOHNSON AND SAMUEL KOTZ, *Continuous Univariate Distributions*, Volumes 1 and 2, Houghton Mifflin Co., Boston, Mass., 1970, 300 and 306 pages, $13.95 for each volume.

FERNAND JUCKLER, *Modèles de Gestion des Stocks et Coûts Marginaux*, Vander Co., Louvain, Belgium, 1970, 281 pages, 380 Belgian francs (paper).

WILLIAM KRUSKAL (editor), *Mathematical Sciences and Social Sciences*, Prentice-Hall, Englewood Cliffs, N.J., 1970, 83 pages, $4.95.

M. KOHLMEYER, *Die Nichtzentrale t-Verteilung*, Springer-Verlag, New York, N.Y., 1970, 106 pages, $2.80 (paper).

JOHN B. LANSING, ROBERT W. MARANS, AND ROBERT B. ZEHNER, *Planned Residential Environments*, Institute for Social Research, University of Michigan, Ann Arbor, Michigan, 1970, 269 pages, (paper).

E. J. MOSHBACK AND H. O. WOLD, *Interdependent Systems: Structure and Estimation*, North Holland/American Elsevier, New York, N.Y., 1970, 542 pages, $30.00.

H. NOLTEMEIER, Sensitivitätsanalyse bei Diskreten Linearen *Optimierungsproblemen*, Springer-Verlag, New York, N.Y., 1970, 102 pages, $2.80 (paper).

RICHARD ROLL, *The Behavior of Interest Rates*, Basic Books, New York, N.Y., 1970, 176 pages, $7.95.

NANCY D. RUGGLES (editor), *Economics*, Prentice-Hall, Englewood Cliffs, N.J., 1970, 182 pages, $5.95 ($2.45 in paper). Contains a chapter by HENRI THEIL on "Operations Research and Economics."

DIETER STEMPEL, *Programmierte Einführung in FORTRAN*, Westdeutscher Verlag, Cologne, West Germany, 1970, 127 pages, DM 8.80 (paper).

H. STÖRMER, *Semi-Markoff-Prozesse mit Endlich Vielen Zuständen*, Springer-Verlag, New York, N.Y., 1970, 128 pages, $3.30 (paper).

GORDON TULLOCK, *Private Wants, Public Means*, Basic Books, New York, N.Y., 1970, 288 pages, $6.95.

ALFRED J. VAN TASSEL, *Environmental Side Effects of Rising Industrial Output*, D.C. Heath & Co., Lexington, Mass., 1970, 320 pages, $19.50.

Notes

WE HAVE received the first and third issues, dated 1970, of the new journal *Novatecnia*, published by the Spanish National Association of Industrial Engineers. The editor is DR. JOSÉ MANUEL PUCHOL VIVAS, ℅ Novatecnia, Via Layetana 39, 3.°6.ª, Barcelona 3, Spain.

Books for review, reviews, and correspondence with respect to *The Analyst's Bookshelf* should be addressed to its Editor, WALTER HELLY, The Polytechnic Institute of Brooklyn, 333 Jay Street, Brooklyn, N.Y. 11201.