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 Theoretical and Computational Aspects of Nonlinear Regression . . R. R. MEYER  
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49[3.25, 13.40].—W. ALLEN SPIVEY & ROBERT M. THRALL, *Linear Optimization*, Holt, Rinehart & Winston, Inc., New York, 1970, xii + 530 pp., 24 cm. Price \$15.75.

This is a well written and leisurely paced book that should appeal to application-oriented management and computer scientists who still insist on a mathematically sound presentation. A pleasant feature of the book is the extended set of appendices, approximately 25 percent of the whole book, which cover all the needed background material such as sets, functions, foundation and linear algebra. Another useful feature is the abundance of problems at the end of each chapter. The core of the book is the simplex algorithm for solving linear programs. It is presented in this book at three levels: a geometrical and application-oriented level in the first chapters, a second level consisting of the conventional constructive simplex algorithm itself and, finally, in the condensed Tucker tableau form. The book also includes some special topics and applications such as the assignment problem, the capacitated transportation problem, game theory, decomposition and upper-bound constraints. The book is highly recommended as a textbook for a first course in linear programming in operations research and industrial engineering departments and, especially, for students with limited mathematics background.

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