

Novshek, William

Mathematics for economists. (English) [Zbl 0796.90001](#)

Economic Theory, Econometrics, and Mathematical Economics. San Diego, CA: Academic Press, Inc., xv, 308 p. (1993).

This book is intended for use in a one-semester mathematics course that accompanies first-semester Ph.D. microeconomics courses. The reader is assumed to be familiar with basic linear algebra and calculus of one variable. The book focuses on the development of nonlinear programming (optimization subject to constraints) and the one of comparative statics.

The book is skillfully written, and contains a great number of examples and problems. The examples often illustrate new economic and/or mathematical points, and all the problems have solutions in the Appendix that consists of around 90 pages. Regrettably, however, article references for further studies are not available to the reader. Although most recent topics such as risk, information and games are not discussed at all, I believe that this book is a delightful addition to the literature on mathematics for economists.

Reviewer: [Y.Sakai \(Ibaraki\)](#)

MSC:

- [90-01](#) Introductory exposition (textbooks, tutorial papers, etc.) pertaining to operations research and mathematical programming
- [90C30](#) Nonlinear programming
- [90C39](#) Dynamic programming