Delia Koo

ELEMENTS OF OPTIMIZATION
WITH APPLICATIONS IN ECONOMICS AND BUSINESS

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Delia Koo's book is written primarily for those scientists such as economists, operations researchers and engineers whose main tools of analysis involve optimization techniques in the economic field.

The emphasis of this book is on clarity and plausibility. Most of the chapters may be read independently of each other, covering: Extrema of a Function of One Variable, Extrema of a Function of Two or More Variables, Functions of Two or More Variables (with Constraint), Simultaneous Maxima of Several Functions, Linear and Nonlinear Programming, Duality and Sensitivity Analysis and Optimal Control.

The author hopes, through exemples which are worked out step by step in detail, to illustrate some tools which will be useful to scientists when they apply optimization techniques to their problems.

Anca Andrei