

Fletcher, R.

Practical methods of optimization. Vol. 1: Unconstrained optimization. (English)

Zbl 0439.93001

A Wiley-Interscience Publication. Chichester etc.: John Wiley & Sons. VIII, 120 p. £8.80 (1980).

For a scan of this review see the [web version](#).

MSC:

- 90-01 Introductory exposition (textbooks, tutorial papers, etc.) pertaining to operations research and mathematical programming
- 49-01 Introductory exposition (textbooks, tutorial papers, etc.) pertaining to calculus of variations and optimal control
- 90C52 Methods of reduced gradient type
- 49M37 Numerical methods based on nonlinear programming
- 49M05 Numerical methods based on necessary conditions
- 49M99 Numerical methods in optimal control
- 90C30 Nonlinear programming
- 65K05 Numerical mathematical programming methods

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Keywords:

unconstrained optimization; direct search methods; quasi-Newton methods; conjugate direction methods; Gauss-Newton method; successive substitution method; continuation method; generalized secant methods