



optimization method and program design

By NI QIN

paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 188 Publisher: Science Press Pub. Date :2009-06. Optimization methods and procedures designed to systematically introduces non-linear Optimization of basic theory. method and program design. Main contents are: line search and trust region method. steepest descent and Newton s method. conjugate gradient method. quasi-Newton method. the solution of nonlinear least squares problem. penalty function method. feasible direction method. quadratic programming problem solution. sequential quadratic programming method. A simple design in Matlab line search. trust region subproblem solution. FR conjugate gradient method. BFGs quasi-Newton method. multiplier method. the effective set of solutions of quadratic programming method. In addition. Design optimization methods and procedures also describes the procedure fmincon Matlab toolbox and linprog the function and use. in the appendix profile linear programming. nonlinear optimization software. debugging and numerical experiments. we also give non- linear optimization of the English term table. Design optimization methods and procedures. the main object is to read mathematics undergraduate and graduate students. non-math graduate students. teachers interested in the optimization method and scientific and technical personnel. Readers need to have calculus. linear algebra and Matlab language...



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