# Improved response surface method and its application in engineering optimization



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## IMPROVED RESPONSE SURFACE METHOD AND ITS APPLICATION IN ENGINEERING OPTIMIZATION



paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pages Number: 265 Publisher: Science Press Pub. Date :2011-02-01. THEORETICAL coauthored Cecilia Yu. Improved response surface method and its effect on Optimization Applications focuses on the improvement of response surface methods for engineering optimization. The first chapter introduces the basic traditional theory of response surface methods for engineering optimization modeling approach and optimization algorithm; the second to the eight chapters of the research team to collate and summarize the results. are improved response surface method and its effect on Optimization of the application of the main parts. including the improvement of experimental design methods to test the most effective response surface fitting design is complete; from the response surface methods to improve the traditional start to improve the accuracy of the established model approximation to get started through the center point of the improved response surface model. including the derivation of the formula and test points to determine. exercise the rational limit estimate; fitted with re-analysis of response surface approximation methods. response surface methods to reduce the general accuracy of the calculation repeated to achieve approximate response surface method and combination method combination of response surface methods and the combination of dual programming; will improve the response surface method is used in many engineering fields. namely. improved response surface method described in the section of the membrane structure optimization. optimization of plate and shell structures section. two-dimensional shape optimization of continuum. frequency optimization of frame structure model and optimal solution; The improved response surface method applied to the multi-disciplinary field. that describes CZ single crystal growth. coronary artery bypass parameters. pyrotechnic devices aerospace wire separation. optimization of electromagnetic waveguide filters design. Improvement of response surface methods for engineering optimization...



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