



## Multicriteria Design (Paperback)

By R. B. Statnikov

Springer, Netherlands, 2010. Paperback. Book Condition: New. 1st ed. Softcover of orig. ed. 1999. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This book is devoted to the PSI method. Its appearance was a reaction to the unsatisfactory situation in applications of optimization methods in engineering. After comprehensive testing of the PSI method in various fields of machine engineering it has become obvious that this method substantially surpasses all other available techniques in many respects. It has now become known that the PSI method is successfully used not only in machine design, at which it was initially aimed, but also in polymer chemistry, pharmacy, nuclear energy, biology, geophysics, and many other fields of human activity. To all appearances this method has become so popular for its potential of taking into account the specific features of applied optimization better than other methods, being, at the same time, comparatively simple and friendly, and because, unlike traditional optimization methods which are intended only for searching for optimal solutions, the PSI method is also aimed at correctly formulating engineering optimization problems. One well-known aircraft designer once said, To solve an optimization problem in engineering means, first of all,...



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