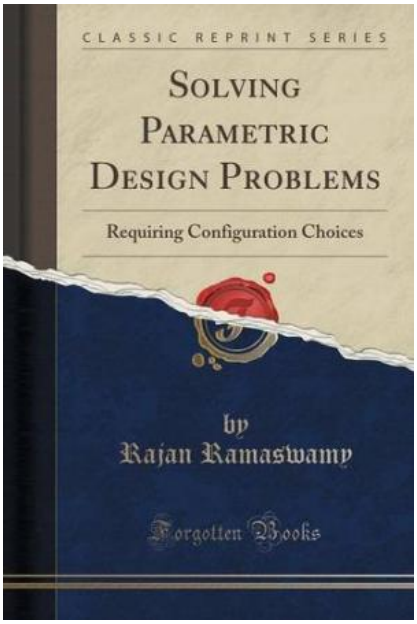

DOWNLOAD

Solving Parametric Design Problems: Requiring Configuration Choices (Classic Reprint) (Paperback)

By Rajan Ramaswamy

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Solving Parametric Design Problems: Requiring Configuration Choices Many design tasks involve selection from a set of configurations followed by parametric optimization of the chosen configuration. The models used for these tasks tend to be large, non-linear and involve both discrete and continuous variables. It is rarely possible to use any single formal algorithm to solve these problems and as a result there are very few tools to help designers solve such problems. We believe computer environments that allow flexible access to a varied set of computer tools will help designers rapidly generate high quality solutions. We demonstrate our arguments on a design problem taken from a commercial auto manufacturer, propose a framework for dealing with the general class of problems and describe a preliminary implementation of a novel design system that integrates math programming, knowledge-based and graph theoretic tools. Keywords: Knowledge-based systems, mathematical programming, hybrid systems, graph theory, design. Number of Words (text): 5800, (abstract, appendices etc): 1100 1 Introduction This paper explores decision support tools for engineers who deal with complex input-output models. An...

READ ONLINE

Reviews

It is really an remarkable ebook that we actually have ever read through. I actually have study and i also am confident that i am going to gonna study once more yet again in the foreseeable future. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- ***Ewell Rempel***

Completely essential read through publication. It normally does not expense excessive. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- ***Morris Cruickshank***