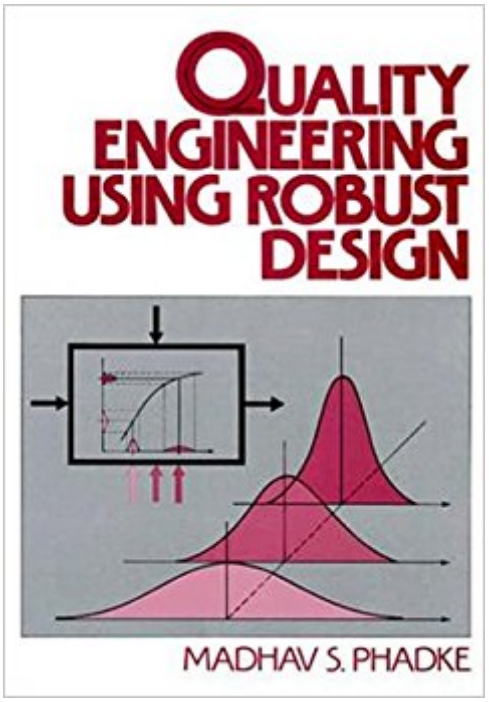
Quality Engineering Using Robust Design



Synopsis

Phadke was trained in robust design techniques by Genichi Taguchi, the mastermind behind Japanese quality manufacturing technologies and the father of Japanese quality control. Taguchi's approach is currently under consideration to be adopted as a student protocol with the US govrnment. The foreword is written by Taguchi. This book offers a complete blueprint for structuring projects to achieve rapid completion with high engineering productivity during the research and development phase to ensure that high quality products can be made quickly and at the lowest possible cost. Some topics covered are: orthogonol arrays, how to construct orthogonal arrays, computer-aided robutst design techniques, dynamic systems design methods, and more.

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Customer Reviews

This book shows how to design high-quality products and processes at low cost -- using a unique approach that makes product/process engineering much more efficient and systematic.

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development phase to ensure that high quality products can be made quickly and at the lowest possible cost. Some topics covered are: orthogonol arrays, how to construct orthogonal arrays, computer-aided robutst design techniques, dynamic systems design methods, and more.

Dr. Phadke has created a great book as an introduction for Robust Design. I will be using this for a Systems Engineering course in New Product Development at the 400/500 level.

It’s the right book what I want. It’s a used one. But pretty new. Just some highlights in it. I’m satisfied with it.

Its a good read, but its a shame if they are still using this book in school, so much more about quality is discovered every year. Great for basics though.

Phadke gives a versatily, easy to read introduction into the on-target philosophy and the Quality Loss Function.Many examples are taken from real case studies (e.g. from Xerox and ITT), covering mechanics, electronics and computer systems. These are good to inspire your own improvement projects.Unfortunately, the most verstile characteristic is not treated (dynamic characteristic).

This is one of the earliest books on the subject. It gives an attractive treatment of the concepts and techniques of Robust Design, but is by now dated in view of the ideas that have been advanced and discussed among the professionals in the past decade. I look forward to a new edition of the book.

Dr. Phadke has written the most clear book on the Robust Design method. I was able to follow the book with medium statistical and engineering knowledge and gained valueable knowledge. This is a must read for all engineering managers!

Engineering Practice) G.Dieter’s Li.Schmidt’s Engineering 4th (Fourth) edition(Engineering Design (Engineering Series) [Hardcover])(2008) Robust Political Economy: Classical Liberalism and the Future of Public Policy (New Thinking in Political Economy Series) Portuguese Cooking: The Authentic and Robust Cuisine of Portugal Robust and Adaptive Control: With Aerospace Applications (Advanced Textbooks in Control and Signal Processing) Robust Process Development and Scientific Molding: Theory and Practice Korean Vegetarian: Explore the spicy and robust tastes of a classic cuisine, with 50 recipes shown in 130 step-by-step photographs Bringing Words to Life, Second Edition: Robust Vocabulary Instruction Vocabulary Cartoon Of The Day: 180 Reproducible Cartoons That Help Kids Build a ROBUST and PRODIGIOUS Vocabulary Bioinformatics Data Skills: Reproducible and Robust Research with Open Source Tools Model-Reference Robust Tuning of PID Controllers (Advances in Industrial Control) Uninhibited, Robust, and Wide-Open: A Free Press for a New Century (INALIENABLE RIGHTS) Quality Management for Organizational Excellence: Introduction to Total Quality (8th Edition) ISO 10005:2005, Quality management systems - Guidelines for quality plans Quality Through Collaboration: The Future of Rural Health (Quality Chasm) Quality Caring in Nursing and Health Systems: Implications for Clinicians, Educators, and Leaders, 2nd Edition (Duffy, Quality Caring in Nursing)