Design for Six Sigma

Design for Six Sigma_下载链接1_

著者:Kai Yang

出版者:McGraw-Hill Education

出版时间:2008-9-5

装帧:Hardcover

isbn:9780071547673

The Latest Tools and Guidance Needed to Implement Design for Six Sigma in New Product and Service Development! Hailed as a classic in its first edition, Design for Six Sigma has been fully revised and updated to equip you with everything you need to implement Design for Six Sigma (DFSS) in new product and service development. The Second Edition of this indispensable design tool retains the core of the previous edition, while adding new information on innovation, lean product development, incomplete DOE, mixture experiments, and alternative DFSS roadmaps--plus new thread-through case studies. From quality concepts and DFSS fundamentals!to DFSS deployment and project algorithm!to design validation, the updated edition of Design for Six Sigma gives you a solid understanding of the entire process for applying DFSS in the creation of successful new products and services. Packed with detailed illustrations, careful directions and comparisons, and worked-out calculations, the Second Edition of Design for Six Sigma features: A one-stop resource for developing a sure-fire DFSS program Expert walkthroughs that help readers choose the right design tools at every stage of the DFSS process New to this edition: new chapters on innovation, lean product development, and computer simulation; new material on critical parameter management; new thread-through case studies Providing real-world product development experience and insight throughout, the Second Edition of

Design for Six Sigma now offers professionals in a wide range of industries the information required to maximize DFSS potential in creating winning products and services for today's marketplace. Filled with over 200 detailed illustrations, the Second Edition of Design for Six Sigma first gives you a solid foundation in quality concepts, Six Sigma fundamentals, and the nature of Design for Six Sigma, and then presents clear, step-by-step coverage of: Design for Six Sigma Deployment Design for Six Sigma Project Algorithm DFSS Transfer Function and Scorecards Quality Function Deployment (QFD) Axiomatic Design Innovation in Product Design Lean Product Development TRIZ Design for X Failure Mode-Effect Analysis Fundamentals of Experimental Design Incomplete DOE Taguchi's Orthogonal Array Experiment Taguchi's Robust Parameter Design Tolerance Design Response Surface Methodology Mixture Experiments Design Validation

作者介绍:

ABOUT THE AUTHORS

KAI YANG, Ph.D., has extensive consulting experience

in many aspects of quality and reliability engineering.

He is also Associate Professor of Industrial and

Manufacturing Engineering at Wayne State

University, Detroit.

BASEM S. EL-HAIK, Ph.D. and Doctorate of Engineering,

is the Director of Enterprise Excellence, Textron Inc.,

and is presently spearheading the effort to deploy

Design for Six Sigma (DFSS) across the enterprise.

In addition to Six Sigma deployment, Dr. El-Haik has

worked extensively, consulted, and conducted seminars

in the field of Six Sigma, lean manufacturing,

axiomatic design, TRIZ, reliability, and quality

engineering. Dr. El-Haik has received his Ph.D. in

Industrial Engineering from Wayne State University

and his Doctorate of Engineering in Manufacturing

from the University of Michigan—Ann Arbor.

目录: Chapter 1. Quality Concepts 1

Design for Six Sigma_下载链接1_

标签

six

sigma

product

development

评论

Design for Six Sigma_下载链接1_

书评

Design for Six Sigma_下载链接1_