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Titolo	Axiomatic quality [[electronic resource]] : integrating axiomatic design with six-sigma, reliability, and quality engineering / / Basem Said El-Haik ; with fireword by Nam P. Suh
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Descrizione fisica	1 online resource (307 p.)
Disciplina	658.5/62
Soggetti	Process control
	Quality control
	Six sigma (Quality control standard)
	Production management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Wiley-Interscience publication."
Nota di bibliografia	Includes bibliographical references (p. 273-280) and index.
Nota di contenuto	AXIOMATIC QUALITY; CONTENTS; FOREWORD; PREFACE; 1 INTRODUCTION TO THE AXIOMATIC QUALITY PROCESS; 1.1 Why Axiomatic Quality?; 1.2 Goals and Scope of the Book; 1.3 Axiomatic Design; 1.4 Six-Sigma and Design for Six-Sigma Philosophy; 1.4.1 Introduction to Design for Six-Sigma; 1.5 Robustness Engineering: Taguchi's Quality Engineering; 1.6 Problems Addressed by Axiomatic Quality; 1.7 Introduction to the Axiomatic Quality Process; 1.8 Axiomatic Quality in Product Development; 1.9 Summary; 2 AXIOMATIC DESIGN METHOD; 2.1 Introduction; 2.2 Axiomatic Design Method; 2.2.1 Design Domains
	2.2.2 Design Hierarchy and Zigzagging ProcessAcclaro DFSS Light® ftp://ftp.wiley.com/public/sci_tech_med/axiomatic_quality/; 2.3 Introduction to the Independence Axiom; 2.4 Introduction to the Information Axiom; 2.5 Axiomatic Design Theorems and Corollaries; 2.5.1 Axiomatic Design Corollaries; 2.5.2 Axiomatic Design Theorems

| Sommario/riassunto | The first book to integrate axiomatic design and robust design for a comprehensive quality approachAs the adoption of quality methods grows across various industries, its implementation is challenged by situations where statistical tools are inadequate, yet the earlier a proactive quality system is introduced into a given process, the greater the payback these methods will yield.Axiomatic Quality brings together two well-established theories, axiomatic design and robust design, to eliminate or reduce both conceptual and operational weaknesses. Providing a complete framework for |