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Autore   Castaldo, Andrea R.

Titolo   Non intelligere, quod omnes intelligunt : objektive Zurechnung und Massstab der Sorgfaltswidrigkeit beim Fahrlässigkeitsdelikt / Andrea R. Castaldo

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Livello bibliografico   Monografia

2.	Record Nr.	UNINA9910798565703321
	Autore	Goos Peter
	Titolo	Optimal Design of Experiments [[electronic resource]] : A Case Study Approach
	Pubbl/distr/stampa	Hoboken, : Wiley, 2011
	ISBN	1-119-97616-2
	Descrizione fisica	1 online resource (305 p.)
	Altri autori (Persone)	JonesBradley
	Disciplina	670.285
	Soggetti	Experimental design -- Data processing Industrial engineering -- Case studies Industrial engineering -- Experiments -- Computer-aided design
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	Nota di contenuto	Optimal Design of Experiments : A Case Study Approach; Contents; Preface; Acknowledgments; 1 A simple comparative experiment; 1.1 Key concepts; 1.2 The setup of a comparative experiment; 1.3 Summary; 2 An optimal screening experiment; 2.1 Key concepts; 2.2 Case: an extraction experiment; 2.2.1 Problem and design; 2.2.2 Data analysis; 2.3 Peek into the black box; 2.3.1 Main-effects models; 2.3.2 Models with two-factor interaction effects; 2.3.3 Factor scaling; 2.3.4 Ordinary least squares estimation; 2.3.5 Significance tests and statistical power calculations; 2.3.6 Variance inflation 2.3.7 Aliasing2.3.8 Optimal design; 2.3.9 Generating optimal experimental designs; 2.3.10 The extraction experiment revisited; 2.3.11 Principles of successful screening: sparsity, hierarchy, and heredity; 2.4 Background reading; 2.4.1 Screening; 2.4.2 Algorithms for finding optimal designs; 2.5 Summary; 3 Adding runs to a screening experiment; 3.1 Key concepts; 3.2 Case: an augmented extraction experiment; 3.2.1 Problem and design; 3.2.2 Data analysis; 3.3 Peek into the black box; 3.3.1 Optimal selection of a follow-up design; 3.3.2 Design construction algorithm; 3.3.3 Foldover designs 3.4 Background reading3.5 Summary; 4 A response surface design with a categorical factor; 4.1 Key concepts; 4.2 Case: a robust and optimal process experiment; 4.2.1 Problem and design; 4.2.2 Data analysis; 4.3 Peek into the black box; 4.3.1 Quadratic effects; 4.3.2 Dummy

Sommario/riassunto	<i>""This is an engaging and informative book on the modern practice of experimental design. The authors' writing style is entertaining, the consulting dialogs are extremely enjoyable, and the technical material is presented brilliantly but not overwhelmingly. The book is a joy to read. Everyone who practices or teaches DOE should read this book."" -</i> Douglas C. Montgomery, Regents Professor, Department of Industrial Engineering, Arizona State University <i>""It's been said: 'Design for the experiment, don't experiment for the design.' This book ably demonstrates this notion