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Record Nr.	UNINA9910823948103321
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Titolo	Image processing and jump regression analysis / / Peihua Qiu
Pubbl/distr/stampa	Hoboken, N.J., : John Wiley, c2005
ISBN	9786610276851
	9781280276859
	1280276851
	9780470356869
	0470356863
	9780471733157
	0471733156
	9780471733164
	0471733164
Edizione	[1st ed.]
Descrizione fisica	1 online resource (340 p.)
Collana	Wiley series in probability and statistics
Disciplina	006.3/7
Soggetti	Image processing
	Regression analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Wiley-Interscience."
Nota di bibliografia	Includes bibliographical references (p. 281-300) and index.
Nota di contenuto	Image Processing and Jump Regression Analysis; Contents; List of Figures; List of Tables; Preface; 1 Introduction; 1.1 Images and image representation; 1.1 A conventional coordinate system for expressing an image in industry.; 1.2 Regression curves and sugaces with jumps; 1.2 A log-transformed C-band, HH-polarization, synthetic aperture radar image of an area near Thetford forest, England.; 1.3 December sea-level pressures observed by a Bombay weather station in India during 1921-1992.; 1.3 Edge detection, image restoration, and jump regression analysis
	1.4 Statistical process control and some other related topics1.5 Organization of the book; Problems; 2 Basic Statistical Concepts and Conventional Smoothing Techniques; 2.1 Introduction; 2.2 Some basic statistical concepts and terminologies; 2.2.1 Populations, samples, and distributions; 2.1 Probability density curve of the standard normal

| Sommario/riassunto | The first text to bridge the gap between image processing and jump regression analysis Recent statistical tools developed to estimate jump curves and surfaces have broad applications, specifically in the area of image processing. Often, significant differences in technical terminologies make communication between the disciplines of image processing and jump regression analysis difficult. In easy-to-understand language, Image Processing and Jump Regression Analysis builds a bridge between the worlds of computer graphics and statistics by addressing both the connections and the d |