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Titolo	Crossing African Borders : Migration and Mobility // Cristina Udelsmann Rodrigues, Jordi Tomàs
Pubbl/distr/stampa	Lisboa, : Centro de Estudos Internacionais, 2017
ISBN	989-8862-48-3
Descrizione fisica	1 online resource (144 p.)
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Soggetti	Sociology Africa African borders migration mobility África
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This publication is one of the results of a conference organised in Lisbon in 2011 on the theme of African borders and their relationships

with migration and mobility. The selected papers are a sample of the diverse perspectives on the general theme presented at the meeting. The African Borderlands Research Network (ABORNE) promoted this event, allowing a substantial number of its members to exchange results of ongoing and long-term research. The Fundação para a Ciência e a Tecnologia (Portugal) funded the research project Borders and Identity in Africa (PTDC/AFR/098339/2008) which prepared this publication.

2. Record Nr.	UNINA9910841867403321
Autore	Sun Yan
Titolo	High-Orders Motion Analysis : Computer Vision Methods // by Yan Sun
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	9789819991914
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (90 pages)
Disciplina	006.37
Soggetti	Pattern recognition systems Image processing Computer vision Automated Pattern Recognition Image Processing Computer Vision
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Overview of this Book -- Describing Motion in Computer Images Stream: Optical Flow -- Analyzing Acceleration in Computer Images Stream -- Jerk and Higher Order Motion in Computer Image Streams -- Detecting Heel Strikes for Gait Analysis through Higher-order motion Flow -- More Potential Applications via Higher-order Motion.
Sommario/riassunto	This book shows how different types of motion can be disambiguated into their components in a richer way than that currently possible in computer vision. Previous research of motion analysis has generally not yet considered the basic nature of higher orders of motion such as

acceleration. Hence, this book introduces an approximation of the acceleration field using established optical flow techniques. Further, acceleration is decomposed into radial and tangential based on geometry and propagated as a general motion descriptor; this book shows the capability for differentiating different types of motion both on synthesized data and real image sequences. Beyond acceleration, the higher orders of motion flow and their continuant parts are investigated for further revealing the chaotic motion fields. Naturally, it is possible to extend this notion further: to detect higher orders of image motion. In this respect, this book shows how jerk and snap can be obtained from image sequences. The derived results on test images and heel strike detection in gait analysis illustrate the ability of higher-order motion, which provide the basis for the following research and applications in the future. We hope that the publication of this book will bring a new perspective to researchers and graduate students in the field of video analysis in computer vision.
