

1. Record Nr.	UNINA9910452397303321
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Titolo	Android application programming with OpenCV : build Android apps to capture, manipulate, and track objects in 2D and 3D // Joseph Howse ; cover image by Ankita Jha
Pubbl/distr/stampa	Birmingham, England : , : Packt Publishing, , 2013 ©2013
ISBN	1-84969-521-0
Descrizione fisica	1 online resource (130 p.)
Collana	Community experience distilled
Altri autori (Persone)	JhaAnkita
Disciplina	005.25
Soggetti	Application software - Development Open source software Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	<p>""Cover""; ""Copyright""; ""Credits""; ""About the Author""; ""About the Reviewers""; ""www.PacktPub.com""; ""Table of Contents""; ""Preface""; ""Chapter 1: Setting Up OpenCV""; ""System requirements""; ""Setting up a development environment""; ""Getting a ready-made development environment: Tegra Android Development Pack (TAPD)""; ""Assembling a development environment piece-by-piece""; ""Getting the prebuilt OpenCV4Android""; ""Building OpenCV4Android from source""; ""Building the OpenCV samples with Eclipse""; ""Finding documentation and help""; ""Summary""</p> <p>""Chapter 2: Working with Camera Frames""""Designing our app, Second Sight""; ""Creating the Eclipse project""; ""Enabling camera and disk access in the manifest""; ""Creating menu and string resources""; ""Previewing and saving photos in CameraActivity""; ""Deleting, editing, and sharing photos in LabActivity""; ""Summary""; ""Chapter 3: Applying Image Effects""; ""Adding files to the project""; ""Defining the Filter interface""; ""Mixing color channels""; ""Making subtle color shifts with curves""; ""Processing a neighborhood of pixels with convolution filters""</p> <p>""Adding the filters to CameraActivity""""Summary""; ""Chapter 4: Recognizing and Tracking Images""; ""Adding files to the project"";</p>

""Understanding image tracking""; ""Writing an image tracking filter""; ""Adding the tracker filters to CameraActivity""; ""Summary""; ""Chapter 5: Combining Image Tracking with 3D Rendering""; ""Adding files to the project""; ""Defining the ARFilter interface""; ""Building projection matrices in CameraProjectionAdapter""; ""Modifying ImageDetectionFilter for 3D tracking""; ""Rendering the cube in ARCubeRenderer""
""Adding 3D tracking and rendering to CameraActivity""""Learning more about 3D graphics on Android""; ""Summary""; ""Index""

Sommario/riassunto

A step-by-step tutorial to help you master computer vision and mobile app development. This book is for Java developers who are new to computer vision and who would like to learn about how it is used in relation to application development. It is assumed that you have previous experience in Java, but not necessarily Android. A basic understanding of image data (for example pixels and color channels) would be helpful too. You are expected to have a mobile device running Android 2.2 (Froyo) or greater and it must have a camera

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UNINA9910484877503321

Titolo

Integer Programming and Combinatorial Optimization : 17th International Conference, IPCO 2014, Bonn, Germany, June 23-25, 2014, Proceedings // edited by Jon Lee, Jens Vygen

Pubbl/distr/stampa

Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014

ISBN

3-319-07557-8

Edizione

[1st ed. 2014.]

Descrizione fisica

1 online resource (XIV, 418 p. 44 illus.)

Collana

Theoretical Computer Science and General Issues, , 2512-2029 ; ; 8494

Disciplina

519.77

Soggetti

Numerical analysis
Algorithms
Computer science - Mathematics
Discrete mathematics
Numerical Analysis
Discrete Mathematics in Computer Science

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico

Monografia

This book constitutes the refereed proceedings of the 17th International Conference on Integer Programming and Combinatorial Optimization, IPCO 2014, held in Bonn, Germany, in June 2014. The 34 full papers presented were carefully reviewed and selected from 143 submissions. The conference is a forum for researchers and practitioners working on various aspects of integer programming and combinatorial optimization. The aim is to present recent developments in theory, computation, and applications in these areas. The scope of IPCO is viewed in a broad sense, to include algorithmic and structural results in integer programming and combinatorial optimization as well as revealing computational studies and novel applications of discrete optimization to practical problems.
