
The OpenCV Tutorials

Release 2.3

June 20, 2011

CONTENTS


The following links describe a set of basic OpenCV tutorials. All the source code mentioned here is provide as part of the OpenCV regular releases, so check before you start copy & pasting the code. The list of tutorials below is automatically generated from reST files located in our SVN repository.

Note: YouTube videos yet to come...we have to think about them!


As always, we would be happy to hear your comments and receive your contributions on any tutorial.

- **INSTALLATION**

- *Linux_Installation*


	<p>Title: Installation steps in Linux Compatibility: > OpenCV 2.0 We will learn how to setup OpenCV in your computer!</p>
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- *Windows_Installation*


	<p>Title: Installation steps in Windows Compatibility: > OpenCV 2.0 You will learn how to setup OpenCV in your Windows Operating System!</p>
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- **USAGE AND COMPILATION**

- *Linux_GCC_Usage*

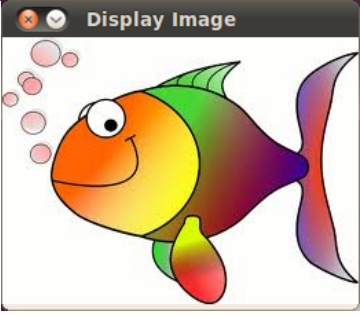
	<p>Title: Using OpenCV with gcc (and CMake) Compatibility: > OpenCV 2.0 We will learn how to compile your first project using gcc and CMake</p>
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- *Linux_Eclipse_Usage*

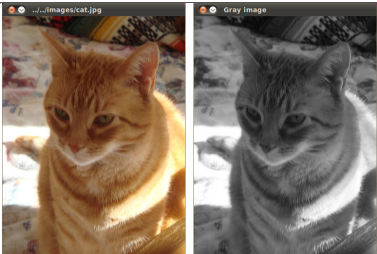
	<p>Title: Using OpenCV with Eclipse (CDT plugin) Compatibility: > OpenCV 2.0 We will learn how to compile your first project using the Eclipse environment</p>
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- **BEGINNERS SECTION**

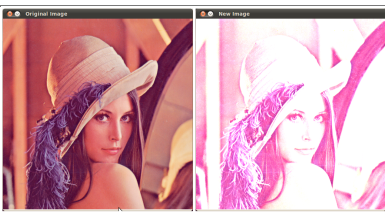
- *Display_Image*

	<p>Title: Display an Image Compatibility: > OpenCV 2.0 We will learn how to display an image using OpenCV</p>
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- *Load_Save_Image*

	<p>Title: Load and save an Image Compatibility: > OpenCV 2.0 We will learn how to save an Image in OpenCV...plus a small conversion to grayscale</p>
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- *Basic_Linear_Transform*

	<p>Title: Changing the contrast and brightness of an image Compatibility: > OpenCV 2.0 We will learn how to change our image appearance!</p>
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- *Adding_Images*

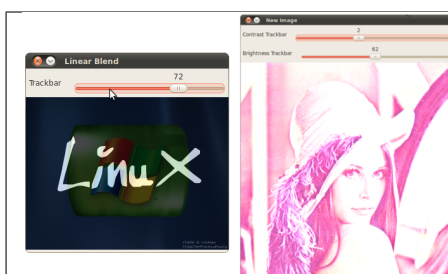


Title: Linear Blending

Compatibility: > OpenCV 2.0

We will learn how to blend two images!

– Adding Trackbars

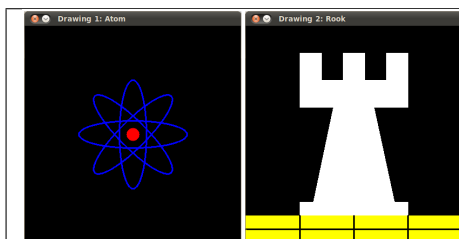


Title: Creating Trackbars

Compatibility: > OpenCV 2.0

We will learn how to add a Trackbar to our applications

– Drawing_1

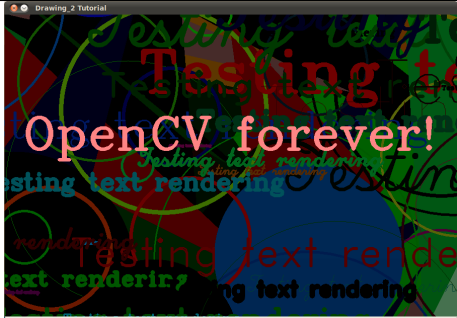


Title: Basic Drawing

Compatibility: > OpenCV 2.0

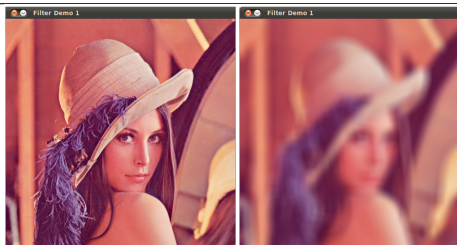
We will learn how to draw simple geometry with OpenCV!

– Drawing_2

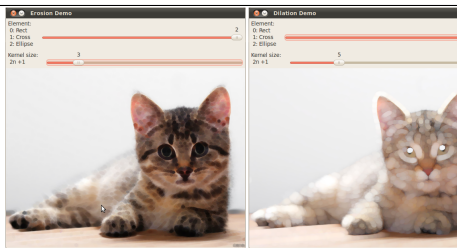
	<p>Title: Cool Drawing Compatibility: > OpenCV 2.0 We will draw some <i>fancy-looking</i> stuff using OpenCV!</p>
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- **IMAGE PROCESSING**

- *Smoothing*

	<p>Title: Smoothing Images Compatibility: > OpenCV 2.0 Let's take a look at some basic linear filters!</p>
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- *Morphology_1*

	<p>Title: Erosion and Dilation Compatibility: > OpenCV 2.0 Let's <i>change</i> the shape of objects!</p>
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