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No description, website, or topics provided.

137 commits

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5 contributors

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garybradski committed on GitHub hooked up call to help			Latest commit e98d75d 3 days ago
birdseye	example 10-01, Exercises_8_1, Readme		5 days ago
calibration	adding data directories birdseye calibration and stereoData		20 days ago
mushroom	Adding the Decision tree and the mushroom database		15 days ago
shape_sample	Adding examples for chapter 14		a month ago
stereoData	added example 19-03		3 days ago
CMakeLists.txt	added example 19-03		3 days ago
Dockerfile	updated Dockerfile to allow using the camera		15 days ago
Exercises_5.cpp	Exercises_5 modifications		12 days ago
Exercises_7.cpp	Create Exercises_7.cpp		9 days ago
Exercises_8_1.cpp	example 10-01, Exercises_8_1, Readme		5 days ago
Exercises_9_1-2-10-11-12-15-16.cpp	Update Exercises_9_1-2-10-11-12-15-16.cpp		4 days ago
Exercises_9_4.cpp	Create Exercises_9_4.cpp		4 days ago
Exercises_9_5.cpp	Create Exercises_9_5.cpp		4 days ago
HandIndoorColor.jpg	Adding chapter 13 examples		a month ago
HandOutdoorColor.jpg	Adding chapter 13 examples		a month ago
HandOutdoorSunColor.jpg	Adding chapter 13 examples		a month ago
README.md	Update README.md		3 days ago
checkerboard9x6.png	adding checkerboard9x6.png		5 days ago
example_02-01.cpp	Working code from Chapter 2.		4 months ago
example_02-02.cpp	Working code from Chapter 2.		4 months ago
example_02-03.cpp	Working code from Chapter 2.		4 months ago
example_02-04.cpp	Working code from Chapter 2.		4 months ago
example_02-05.cpp	Working code from Chapter 2.		4 months ago
example_02-06.cpp	Working code from Chapter 2.		4 months ago
example_02-07.cpp	Working code from Chapter 2.		4 months ago
example_02-08.cpp	Working code from Chapter 2.		4 months ago
example_02-09.cpp	Working code from Chapter 2.		4 months ago
example_02-10.cpp	Working code from Chapter 2.		4 months ago
example_02-11.cpp	Working code from Chapter 2.		4 months ago
example_04-01.cpp	Added examples from Chapter 4		4 months ago
example_04-02.cpp	Added examples from Chapter 4		4 months ago
example_04-03.cpp	Added examples from Chapter 4		4 months ago
example_04-04.cpp	hooked up call to help		3 days ago
example_05-01.cpp	Added examples from chapters 5-8		3 months ago

 <a href="#">example_07-01.cpp</a>	Added examples from chapters 5-8	3 months ago
 <a href="#">example_08-01.cpp</a>	Added examples from chapters 5-8	3 months ago
 <a href="#">example_08-02.cpp</a>	Added examples from chapters 5-8	3 months ago
 <a href="#">example_08-03.cpp</a>	Added examples from chapters 5-8	3 months ago
 <a href="#">example_09-01.cpp</a>	somee refinements to chapter 9	a month ago
 <a href="#">example_09-02.cpp</a>	somee refinements to chapter 9	a month ago
 <a href="#">example_09-03.cpp</a>	somee refinements to chapter 9	a month ago
 <a href="#">example_09-04.cpp</a>	Update example_09-04.cpp	25 days ago
 <a href="#">example_09-05.cpp</a>	Update example_09-05.cpp	a month ago
 <a href="#">example_09-06.cpp</a>	Update example_09-06.cpp	a month ago
 <a href="#">example_09-07.cpp</a>	Update example_09-07.cpp	a month ago
 <a href="#">example_09-08.cpp</a>	Update example_09-08.cpp	a month ago
 <a href="#">example_09-09.cpp</a>	Update example_09-09.cpp	a month ago
 <a href="#">example_09-10.cpp</a>	adding example_09-04.cpp example_09-10.cpp example_15-02.cpp example_...	26 days ago
 <a href="#">example_09-11.cpp</a>	Update example_09-11.cpp	a month ago
 <a href="#">example_10-01.cpp</a>	example 10 1,2,4 and new image faces.png	a month ago
 <a href="#">example_10-02.cpp</a>	example 10 1,2,4 and new image faces.png	a month ago
 <a href="#">example_10-03.cpp</a>	adding exapmle_10-03.cpp	a month ago
 <a href="#">example_11-01.cpp</a>	File level comments for 11-1 example	a month ago
 <a href="#">example_11-02.cpp</a>	Adding 11-02 example	a month ago
 <a href="#">example_11-03.cpp</a>	Adding example 11-03	a month ago
 <a href="#">example_12-01.cpp</a>	Adding example 12-01	a month ago
 <a href="#">example_12-02.cpp</a>	Adding example 12-02	a month ago
 <a href="#">example_13-01.cpp</a>	Adding chapter 13 examples	a month ago
 <a href="#">example_13-02.cpp</a>	Adding chapter 13 examples	a month ago
 <a href="#">example_13-03.cpp</a>	Adding example 13-03 with the image data	a month ago
 <a href="#">example_14-01.cpp</a>	Adding examples for chapter 14	a month ago
 <a href="#">example_14-02.cpp</a>	Adding examples for chapter 14	a month ago
 <a href="#">example_14-03.cpp</a>	Adding examples for chapter 14	a month ago
 <a href="#">example_14-04.cpp</a>	Adding examples for chapter 14	a month ago
 <a href="#">example_15-01.cpp</a>	added example_15-01.cpp and test.avi and tree.avi	a month ago
 <a href="#">example_15-02.cpp</a>	changed 15-02, created 15-03	25 days ago
 <a href="#">example_15-03.cpp</a>	changed 15-02, created 15-03	25 days ago
 <a href="#">example_15-04.cpp</a>	adding example_09-04.cpp example_09-10.cpp example_15-02.cpp example_...	26 days ago
 <a href="#">example_15-05.cpp</a>	example_15-05	23 days ago
 <a href="#">example_15-BackgroundSubtracto...</a>	adding example_15-BackgroundSubtractor.cpp	22 days ago
 <a href="#">example_16-01-imgA.png</a>	Added Lucas-Kanade optical flow example 16-01	4 months ago
 <a href="#">example_16-01-imgB.png</a>	Added Lucas-Kanade optical flow example 16-01	4 months ago
 <a href="#">example_16-01.cpp</a>	Added Lucas-Kanade optical flow example 16-01	4 months ago
 <a href="#">example_17-01.cpp</a>	example 17-01	22 days ago
 <a href="#">example_18-01.cpp</a>	fix 18-01, 19-2, add checkerboard9x6.png	5 days ago
 <a href="#">example_18-01_from_disk.cpp</a>	Added reading from disk, some fixes to calibration	7 days ago
 <a href="#">example_19-01.cpp</a>	example 10-01, Exercises_8_1, Readme	5 days ago
 <a href="#">example_19-02.cpp</a>	fix 18-01, 19-2, add checkerboard9x6.png	5 days ago
 <a href="#">example_19-03.cpp</a>	added example 19-03	3 days ago

 <a href="#">example_19-04.cpp</a>	example 19-04	5 days ago
 <a href="#">example_20-01.cpp</a>	modified the help in examples 20-01 and 02	15 days ago
 <a href="#">example_20-02.cpp</a>	modified the help in examples 20-01 and 02	15 days ago
 <a href="#">example_21-01.cpp</a>	Adds a brief help function that gets printed always	15 days ago
 <a href="#">faceScene.jpg</a>	Adding example 13-03 with the image data	a month ago
 <a href="#">faceTemplate.jpg</a>	Adding example 13-03 with the image data	a month ago
 <a href="#">faces.png</a>	example 10 1,2,4 and new image faces.png	a month ago
 <a href="#">fruits.jpg</a>	Adding chapter 13 examples	a month ago
 <a href="#">test.avi</a>	added example_15-01.cpp and test.avi and tree.avi	a month ago
 <a href="#">tree.avi</a>	added example_15-01.cpp and test.avi and tree.avi	a month ago

 **README.md**

# Learning OpenCV 3

This is the example code that accompanies Learning OpenCV 3 by Adrian Kaehler and Gary Bradski (9781491937990).

~~In progress May 24, 2017~~ ~~In progress June 13, 2017~~ ~~In progress June 20, 2017~~ In progress June 22, 2017

**To do:**

- ~~• Chapter 15~~
- ~~• Chapter 16~~
- ~~• Chapter 17~~
- ~~• Chapter 18~~
- ~~• Chapter 19~~
- ~~• Chapter 20~~
- Chapter 21
- Chapter 22
- Submit associated errata for ~~15 16~~ 17 18 19 20 21 22
- ~~Make sure all headers state~~ what what in the book it relates to
- ~~Make sure all functions have~~ a help function for how to run them
- Throw in some bonus material
  - ~~◦ background subtraction~~
  - feature detector/descriptors
  - ~~◦ More machine learning(?)~~ ... ongoing!
  - Some new stuff in opencv\_contrib
  - Some DNN examples(?)
- ~~• Throw in some exercises~~ ... ongoing!

For default suggestions of how the run the code, it assumes you put your build directory under Learning-OpenCV-3\_examples directory. Thus, you

Previously, from the Learning-OpenCV-3\_examples directory:

- mkdir build
  - Then:
- cd build
- cmake ..
- make -j

Note, for your interest, included here is an Ubuntu *Docker* file that

- Shares a directory with the host operating system
- Shares the first camera between both systems
- Loads Ubuntu 16.04

- Loads all dependencies for OpenCV 3.2 and opencv\_contrib
- Loads and builds OpenCV 3.2 and opencv\_contrib into a build directory
  - executable files end up in opencv-3.2.0/build/bin
- Git clones the code (and Docker file) for Learning OpenCV 3 and builds it
  - executable files end up in Learning\_OpenCV-3\_examples/build
- To get to the top level directory, just type: `cd`

Click the Download Zip button to the right to download example code.

Visit the catalog page [here](#).

See an error? Report it [here](#), or simply fork and send us a pull request

