

COMP498G/691G COMPUTER VISION

TUTORIAL 02: EDGE DETECTION



Sobel derivatives

- Use the OpenCV function Sobel to calculate the derivatives from an image.
- Use the OpenCV function Scharr to calculate a more accurate derivative for a kernel of size 3x3

http://docs.opencv.org/2.4/doc/tutorials/imgproc/imgtrans/sobel_derivatives/sobel_derivatives.html

Canny Edge detection

- Use the OpenCV function Canny to implement the Canny Edge Detector

http://docs.opencv.org/2.4/doc/tutorials/imgproc/imgtrans/canny_detector/canny_detector.html

Laplace Operator

- Use the OpenCV function Laplacian to implement a discrete analog of the Laplacian operator.

http://docs.opencv.org/2.4/doc/tutorials/imgproc/imgtrans/laplace_operator/laplace_operator.html



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