

Неделя 1, Урок 2 17 января 2018

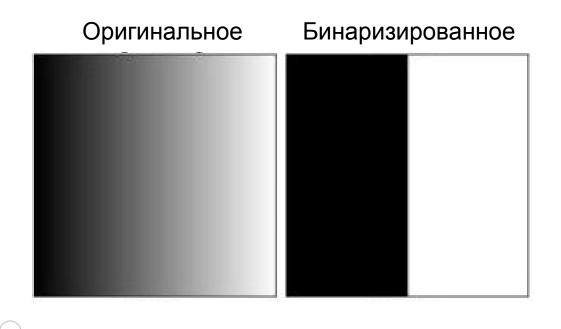
Бинаризация изображения



Основные методы бинаризации

- Базовая бинаризация
 Адаптивная бинаризация
- 3. Отсу (Otsu) бинаризация

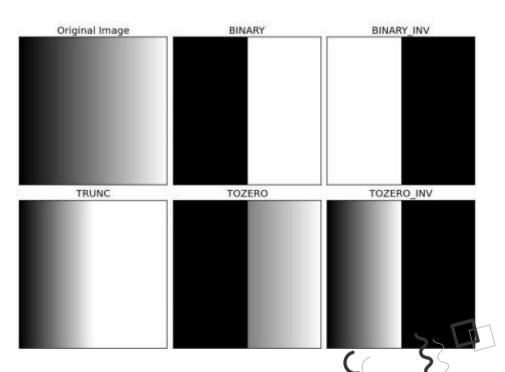
Базовая бинаризация



https://docs.opencv.org/3.3.1/d7/d4d/tutorial_py_thresholding.html

Базовая бинаризация

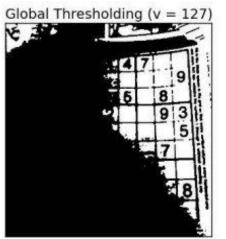
- cv2.THRESH BINARY
- cv2.THRESH BINARY INV
- cv2.THRESH TRUNC
- cv2.THRESH TOZERO
- cv2.THRESH TOZERO INV



https://docs.opencv.org/3.3.1/d7/d4d/tutorial_py_thresholding.html

Адаптивная бинаризация





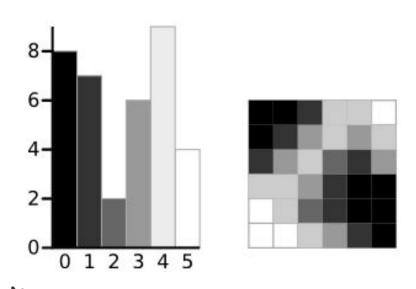






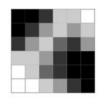
https://docs.opencv.org/3.3.1/d7/d4d/tutorial_py_thresholding.html

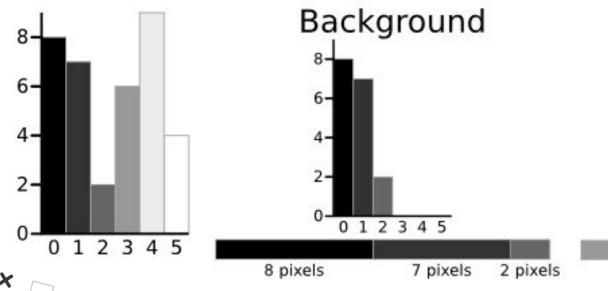
Otsu бинаризация

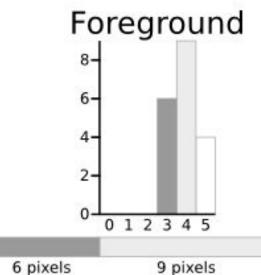




Otsu бинаризация







http://www.labbookpages.co.uk/software/imgProc/otsuThreshold.html

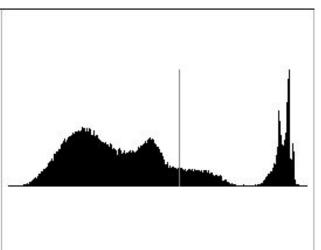


4 pixels

Otsu бинаризация примеры

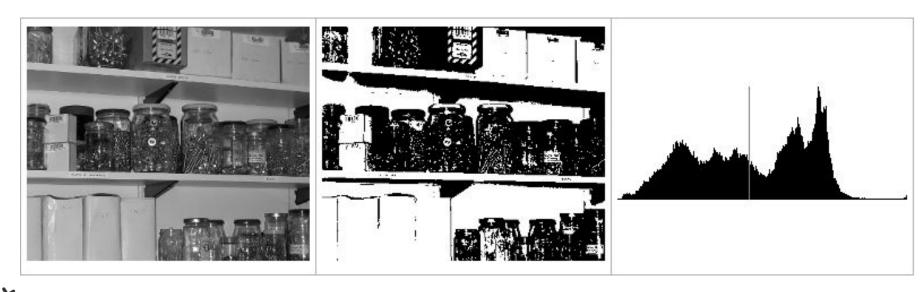






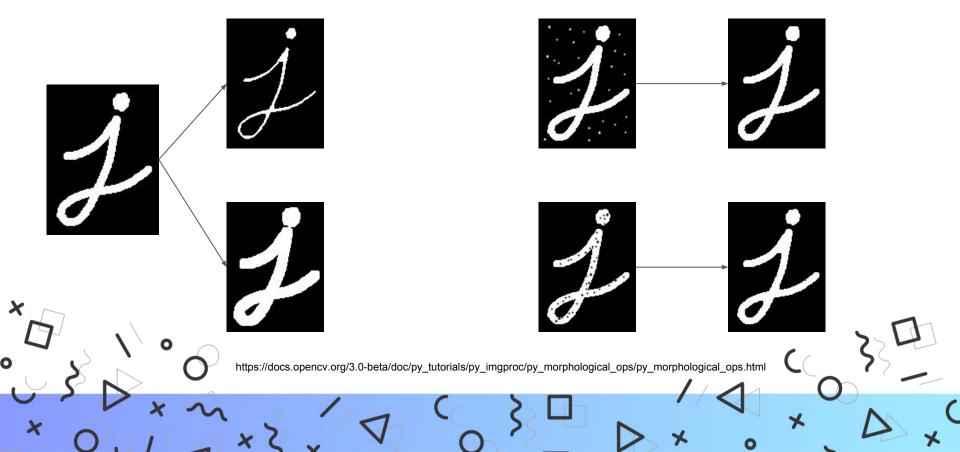


Otsu бинаризация примеры



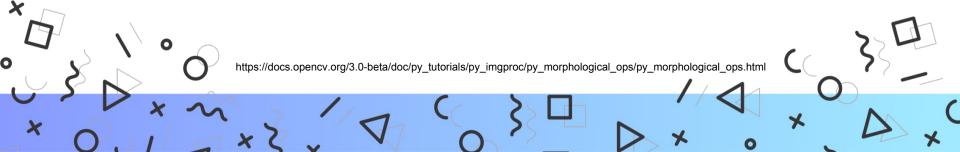


Морфологические функции



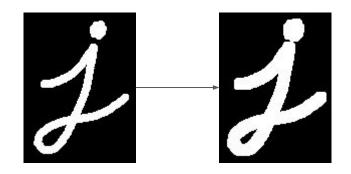
Erosion

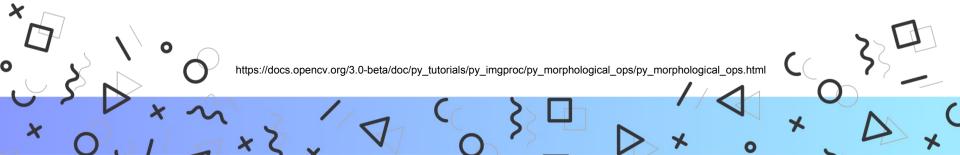






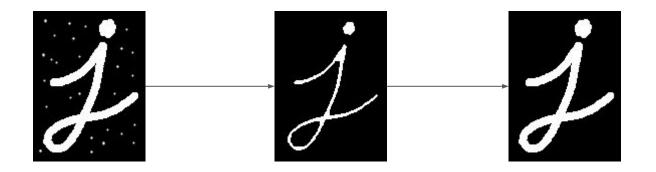
Dilation

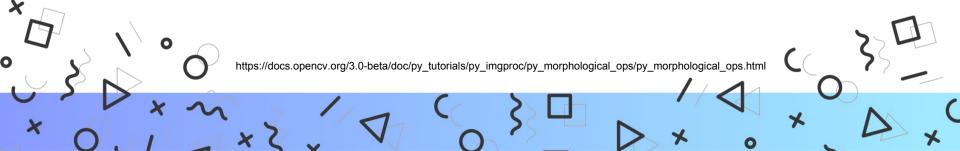




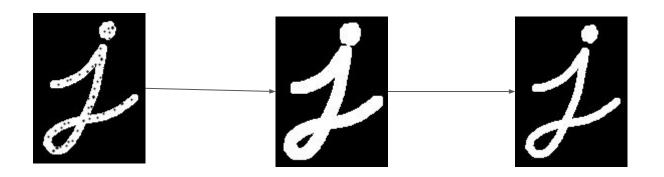


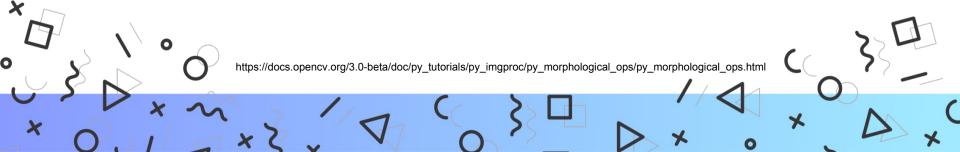
Opening





Closing



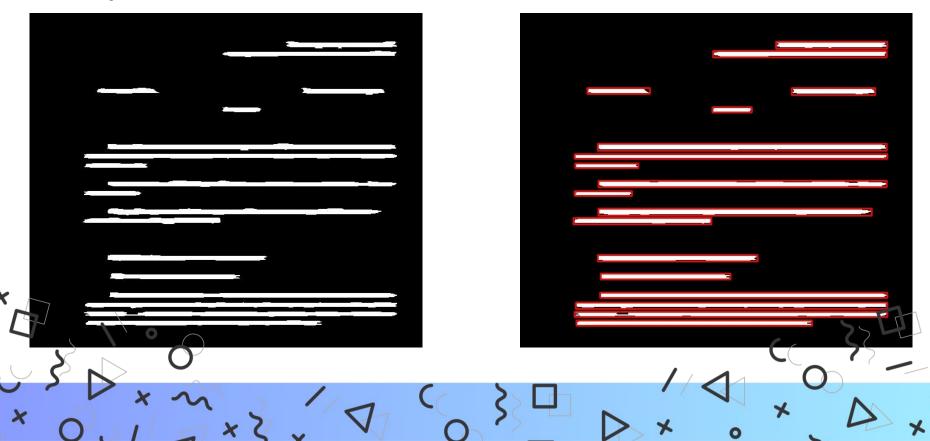


Читайте больше по ссылке ниже

https://docs.opencv.org/3.0-beta/doc/py_tutorials/py_imgproc/py_morphological_ops/py morphological ops.html



Контуры



Дополнительные материалы

Бинаризация - https://docs.opencv.org/3.3.1/d7/d4d/tutorial_py_thresholding.html

Морфология -

https://docs.opencv.org/3.0-beta/doc/py_tutorials/py_imgproc/py_morphological_ops/py_morphological_ops.html

Контуры -

http://opencv-python-tutroals.readthedocs.io/en/latest/py_tutorials/py_imgproc/py_contours/py_contour_features/py_contour_features.html



