

Summary of HOG

Environment

1. Operating system: Window 10
2. IDE: PyCharm
3. Python version: Python 3.6
4. OpenCV version: OpenCV 4.1.1

Visualizations



FIG.1 The original image

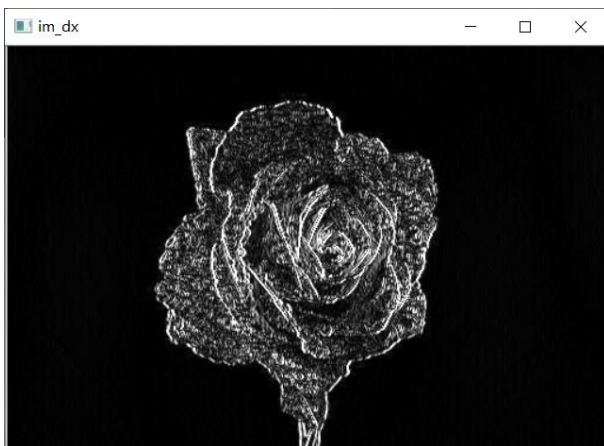


FIG.2 The image differentiated along x-direction

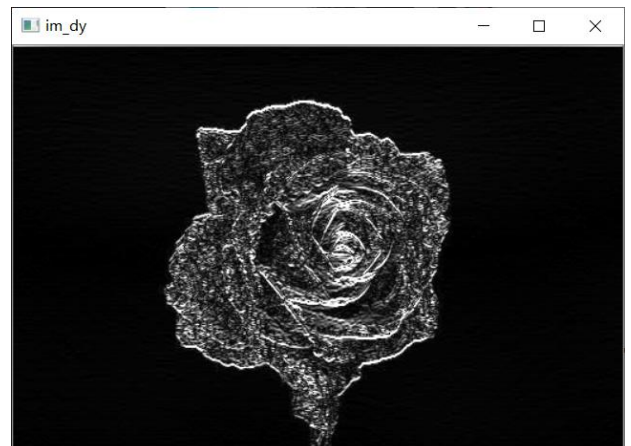


FIG.3 The image differentiated along y-direction

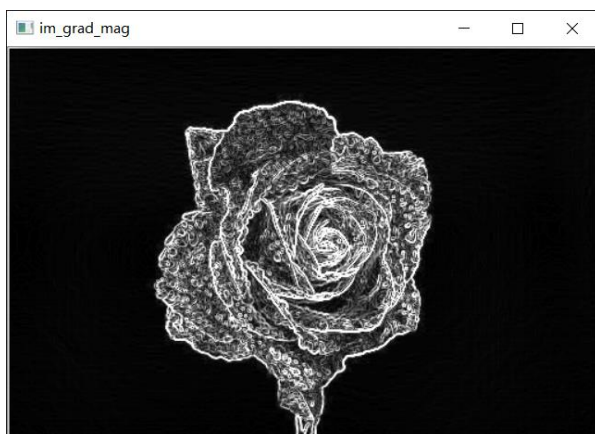


FIG.4 The magnitude of the image

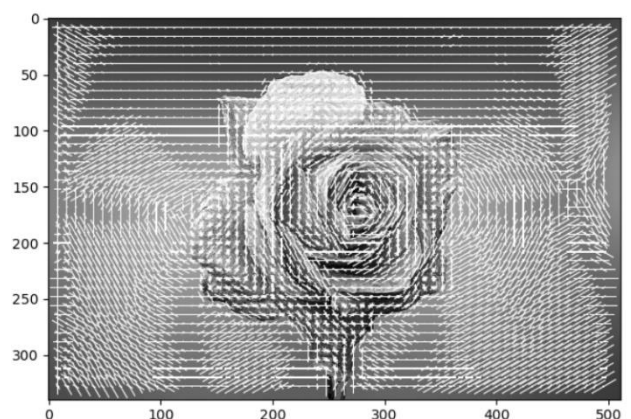


FIG.6 The visualization of the histogram