

## Canny Edge Detector

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Name of Source code file: CED.py (Python source code)

Environment Specifications:

- Python: 2.7.15
- Matplotlib: 2.2.3
  - PIL 5.3.0 (matplotlib can natively read only png file, it uses PIL to read other formats)
- Numpy: 1.11.3

How to run using source file:

1. Make sure all dependencies are installed(python, matplotlib and numpy)
  2. Use command: `python CED.py <image_file_name>`
    - A) make sure image is grayscale image with only 1 channel; otherwise program will throw error.
    - B) This is given on matplotlib site: “Matplotlib can only read PNGs natively. Further image formats are supported via the optional dependency on Pillow. Note, URL strings are not compatible with Pillow”
  3. Make sure, while running the program you have appropriate rights to write and read image at that location; because program writes output image.
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