

NMS from scratch for canny edge detection

How To Run

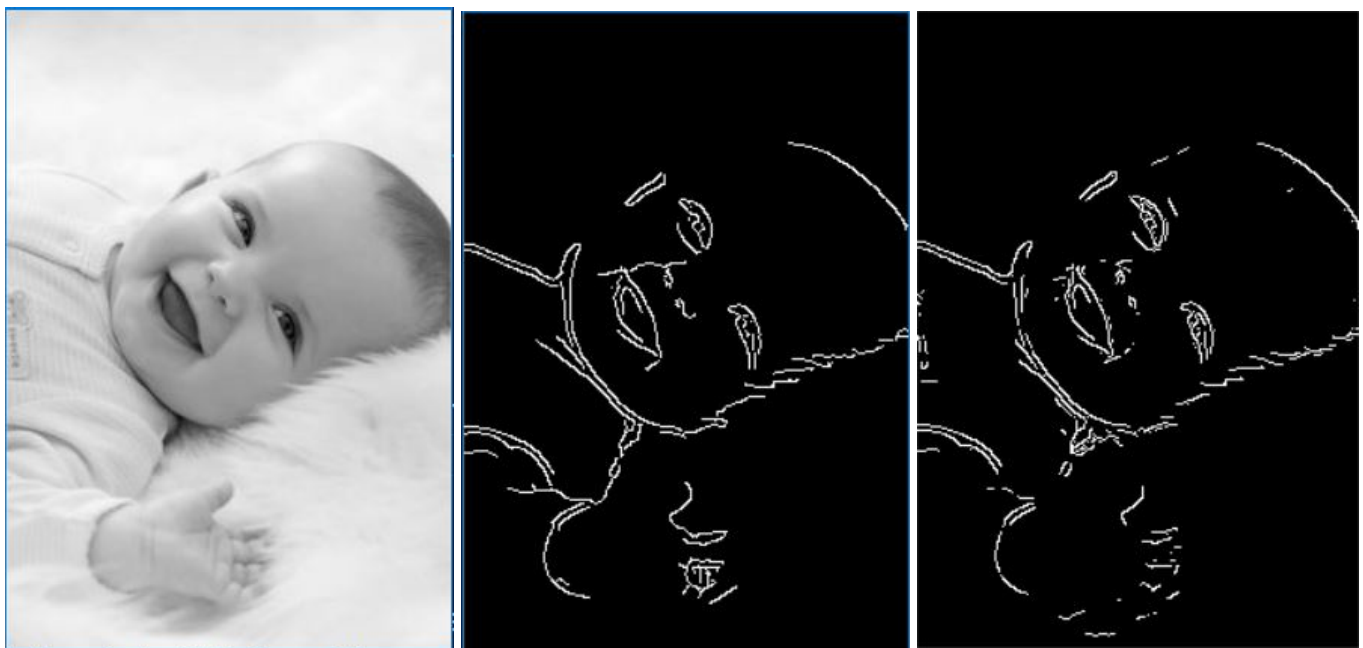
Run the executable file named as **NMS-opencv-cpp.exe** in the path **Build/Debug** as follows

```
./NMS-opencv-cpp.exe
```

Make sure that a **sample.jpg** image is there as the sample image

Code Output

The canny edge detection algorithm is implemented from scratch which includes NMS step as well. The comparison with the inbuilt OpenCV canny edge detection function and the implemented one is shown below.



(a) Original

(b) Inbuilt

(c) Scratch

The intermediate outputs are also shown below



(a) Gradient_X



(b) Gradient_Y



(c) After NMS