Watermark Removal

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1 Introduction

I used a median blur with a larger kernel size, when this is applied to the image, it will output an image with only the watermark or stain, this is then subtracted from the original image, this gives us an image without the stain or watermark with flipped pixel values. The pixels are then flipped back with a bitwise not operation.

2 Class ⇒ *watermark_removal*

Input: Any image file that can be read by cv2.imread()
Output: Image file without watermark/stain

```
import cv2
from preprocessing.watermark_removal import watermark_removal

input_image = 'image.jpg'
output_image = watermark_removal(input_image=input_image).output()

cv2.imwrite('Output.jpg', output_image)
```

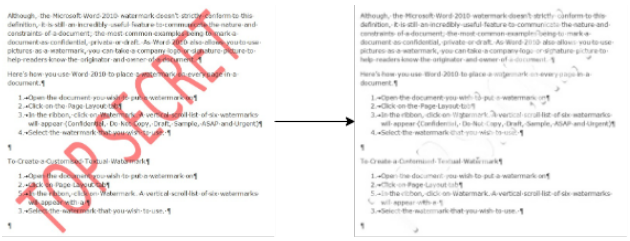

Figure 1: Watermark Removal Example

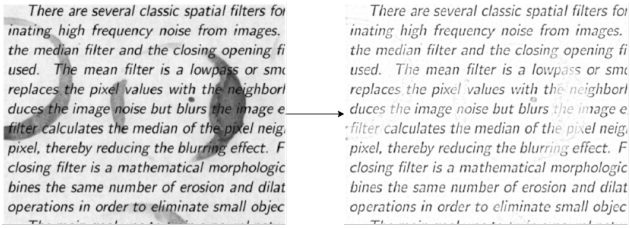

Figure 2: Stain Removal Example