## ex3

## September 18, 2024

```
[1]: import numpy as np
import cv2
from pathlib import Path
from skimage.util import random_noise
from scipy import signal
import skimage

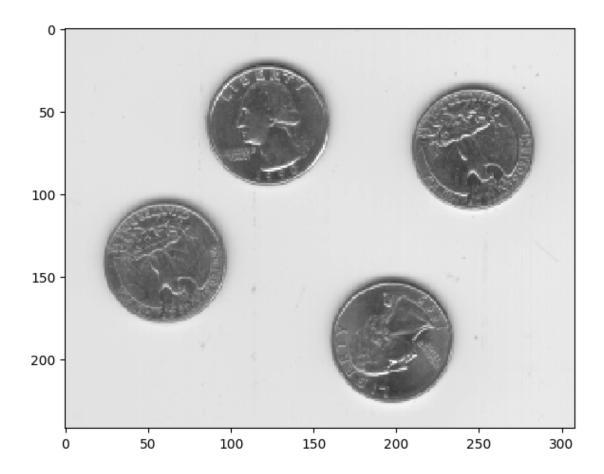
[2]: ASSETS_FOLDER_PATH = "./assets"
OUTPUT_FOLDER_PATH = "."

[3]: Path(OUTPUT_FOLDER_PATH).mkdir(parents=True, exist_ok=True)

Cargamos la imagen

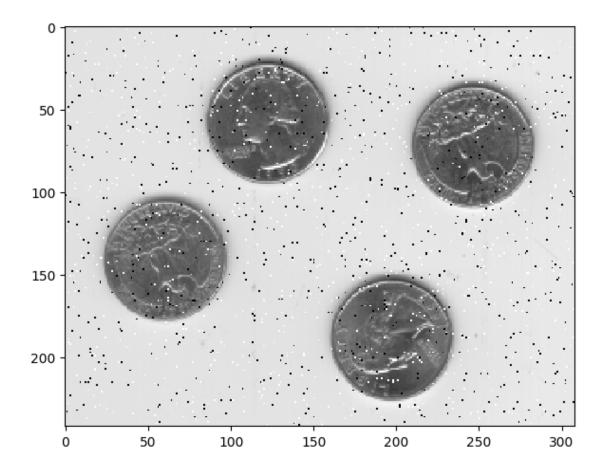
[4]: eight = skimage.io.imread(fname=f"{ASSETS_FOLDER_PATH}/eight.tif")

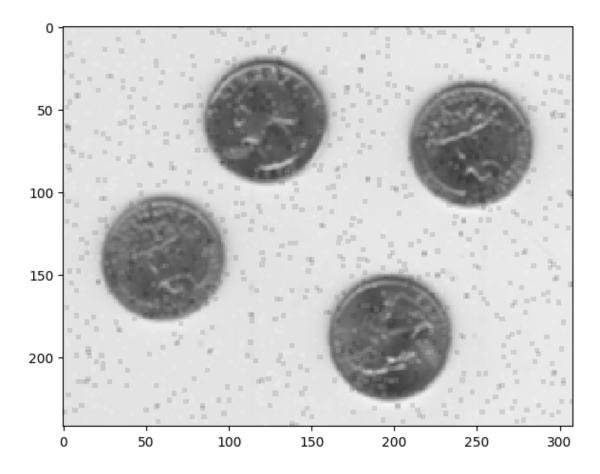
[5]: skimage.io.imshow(eight)
[5]: <matplotlib.image.AxesImage at Ox7147602ad870>
```



```
[6]: sp_eight = random_noise(eight, mode='s&p', amount=0.02)
[7]: skimage.io.imshow(sp_eight)
```

[7]: <matplotlib.image.AxesImage at 0x7147601b0d00>





```
[11]: med_eight = signal.medfilt2d(sp_eight, kernel_size=[3, 3])
[12]: skimage.io.imshow(med_eight)
```

[12]: <matplotlib.image.AxesImage at 0x71475dd96a40>

