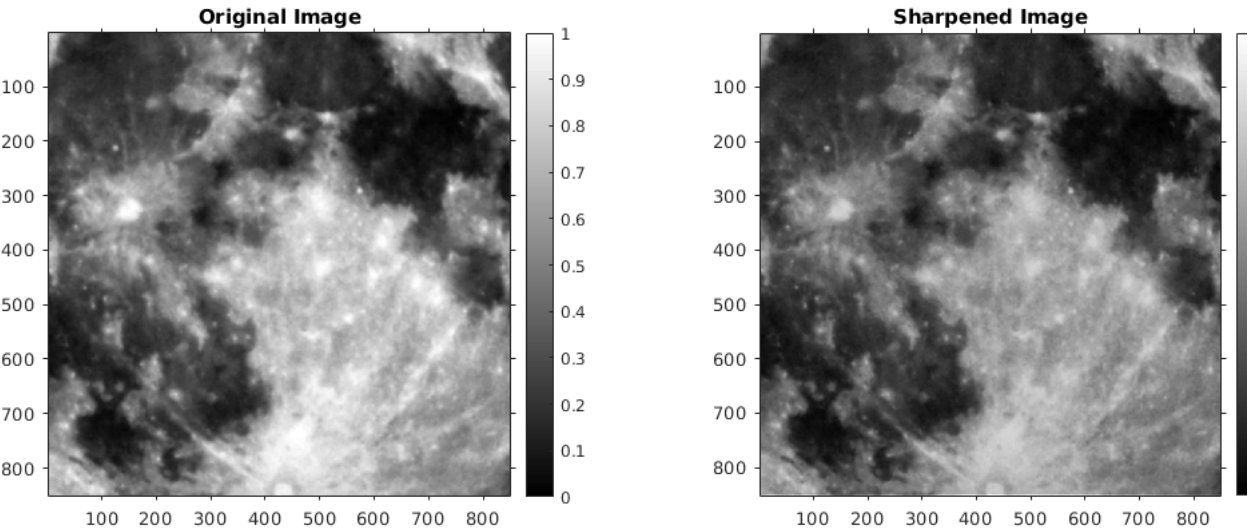**Contents**

MyMainScript

```
tic;
```

Super Moon Crop

```
imageData = load('../data/superMoonCrop.mat');
image = imageData.imageOrig;
stretchedImage = myLinearContrastStretching(image);
sharpImage = myUnsharpMasking(image,1.1,9,1.1);
sharpImage = myLinearContrastStretching(sharpImage);
myDisplayTwoImage(stretchedImage,sharpImage);
```

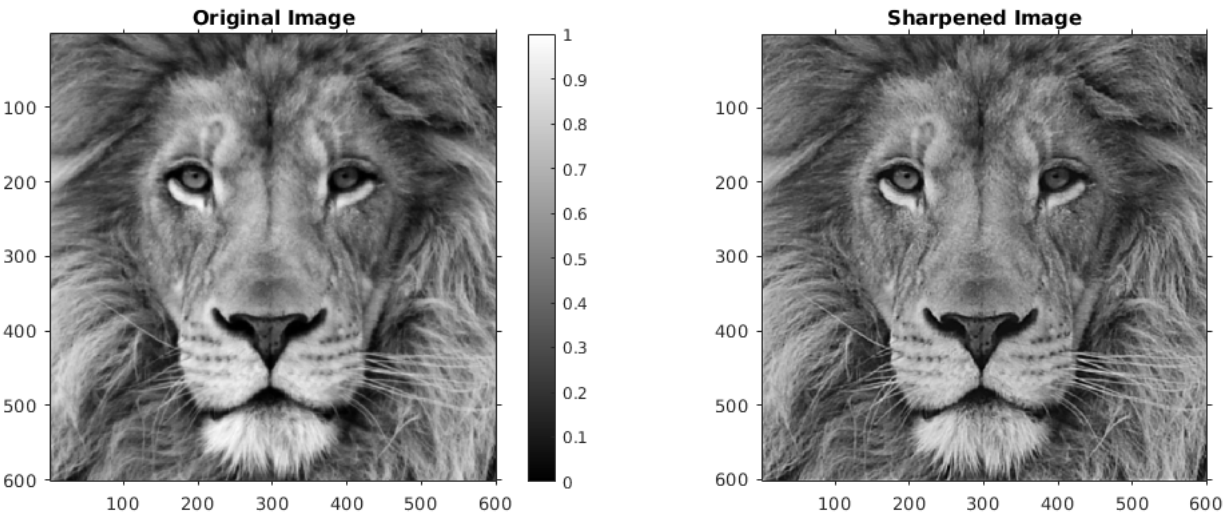Sigma = 1.1 Window Size = 9 Scaling Factor = 1.1

Lion Crop

```
imageData = load('../data/lionCrop.mat');
image = imageData.imageOrig;
stretchedImage = myLinearContrastStretching(image);
sharpImage = myUnsharpMasking(image,1.1,9,1.6);
sharpImage = myLinearContrastStretching(sharpImage);
myDisplayTwoImage(stretchedImage,sharpImage);
toc;
```

Sigma = 1.1 Window Size = 9 Scaling Factor = 1.6

```
Elapsed time is 1.680347 seconds.
```

Original Image

Sharpened Image

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