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| EECS 490 |
| Assignment 3 |
| Image Enhancement |
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| **Edward Venator**  **Due: 9/29/2011** |
| **Handed In: 9/29/2011** |

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| This report examines the results of applying several histogram transformations, including contrast stretching, contrast to an image of the moon Phobos. |

# Technical Discussion

# Results

# Appendix

## Scripts

contrast\_stretching.m - Performs contrast stretching with several different parameters using MatLab's imadjust() function.

histogram\_equalization.m - Performs histogram equalization using Matlab's histeq() function.

histogram\_specification.m - Performs histogram specification using code written from scratch.

## Images

phobos\_X.tif - The input image used for all algorithms.

Output directory – All of the transformed images and histograms. Output images are in subdirectories based on which script generated them.