

Assignment #4

Image Processing

To do.

1. Load an image from a file
 - A. Sample image: lena_512_512.raw (8-bit grayscale)
2. Load the image to GPU
3. Magnify the image with the size of 1024x1024
4. Edge detection
 - A. Sobel mask
 - i. Output gradient magnitude
 - B. Address mode : clamp
5. Download to CPU
6. Save to a file on HDD (lena_1024_1024.raw)

Don't need to render to the screen

Penalty

1. 10% per memory leakage

Due: 5/23 Mon.