

Homework 4: Illumination cone.

Implement the illumination cone algorithm described in class. The algorithm was first presented in this paper: <http://cseweb.ucsd.edu/~ravir/6998/papers/ijcv98.pdf>

Implement the least-squares solution in Matlab using a set of sample images. Collect your own images to test the system. All images must be of the same object, with stationary camera but varying illumination.

Write a code to generate synthetic images under illuminations not included in your sample set. Your code should display example images.

Optional: Generate synthetic images obtained with two distinct illuminations.