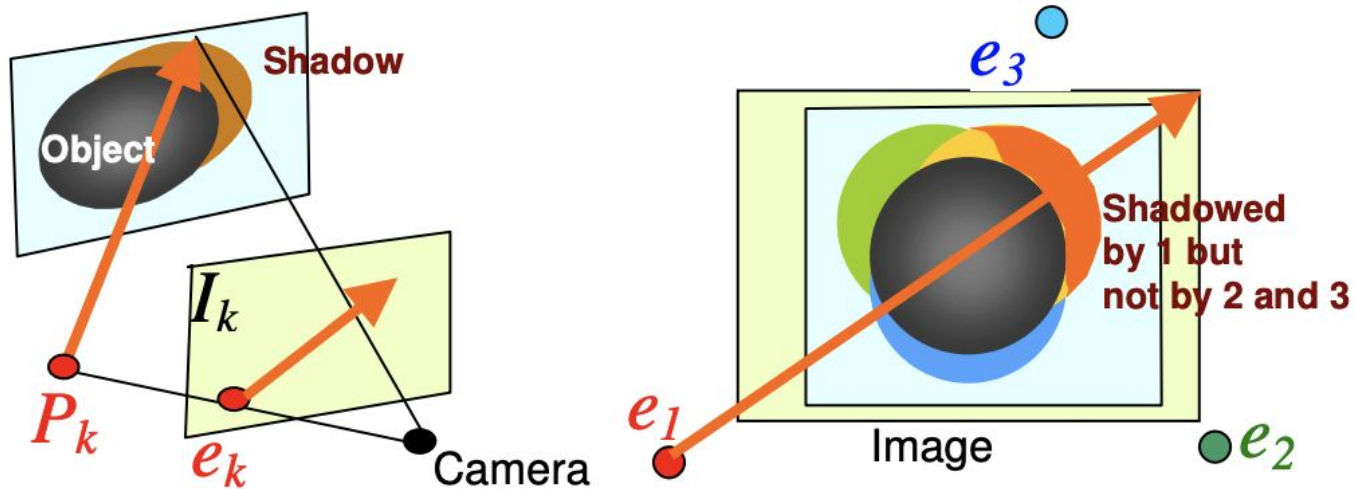# Multi-Flash Imaging

Techniques for Edge Detection and Non-Photorealistic Rendering

Kavya Tummalapalli

Introduction

Prototype

Approach

Edges

1. 4 Flash images capture
2. Compute max image
3. Create ratio images of flash / max
4. Sobel filter to compute silhouettes in each direction
5. Combine 4 silhouettes into fused edge image

Stylization

1. Blur max image
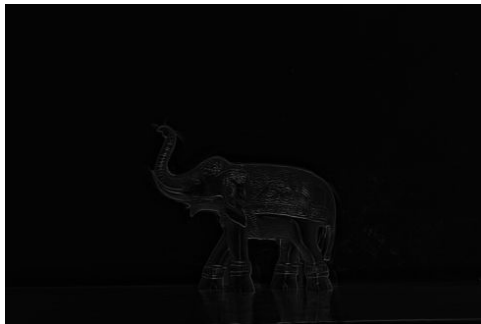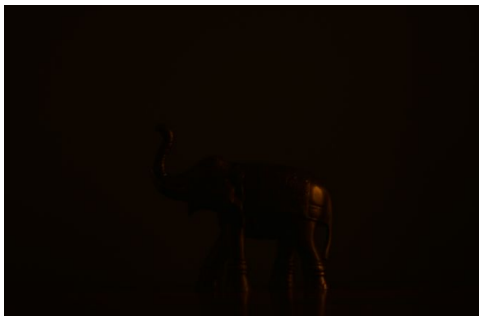2. Combine edge image and blur image for final stylized image

Results: Source Images

Results: My Images

Results: My Images

Thank You!