SUBJECT CODE: CS 6620

SUBJECT: ADVANCED COMPUTER GRAPHICS II
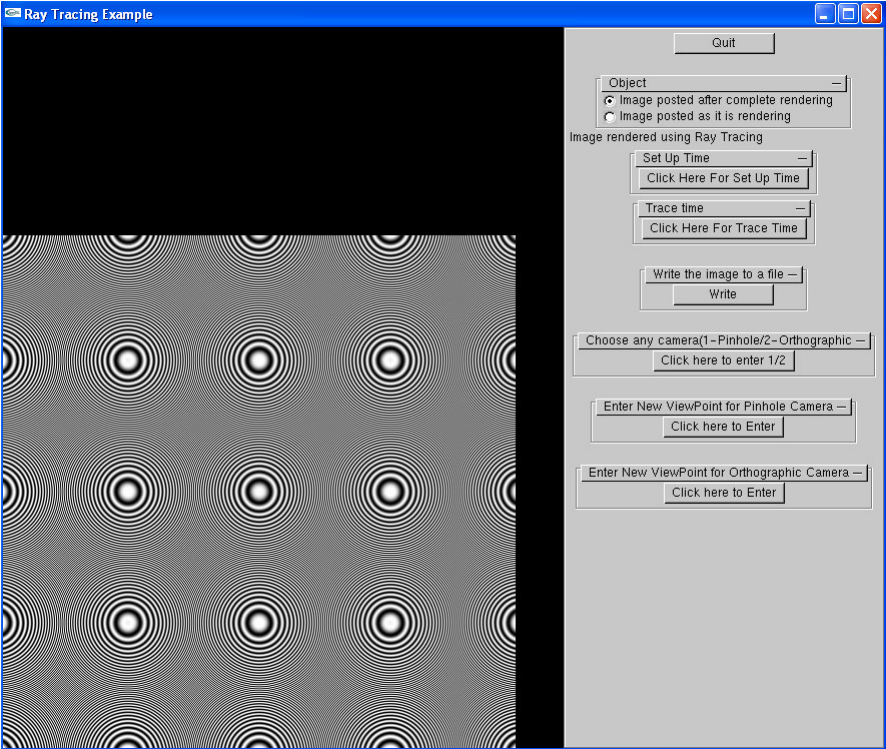
LEENA KORA
EMAIL:leenak@cs.utah.edu

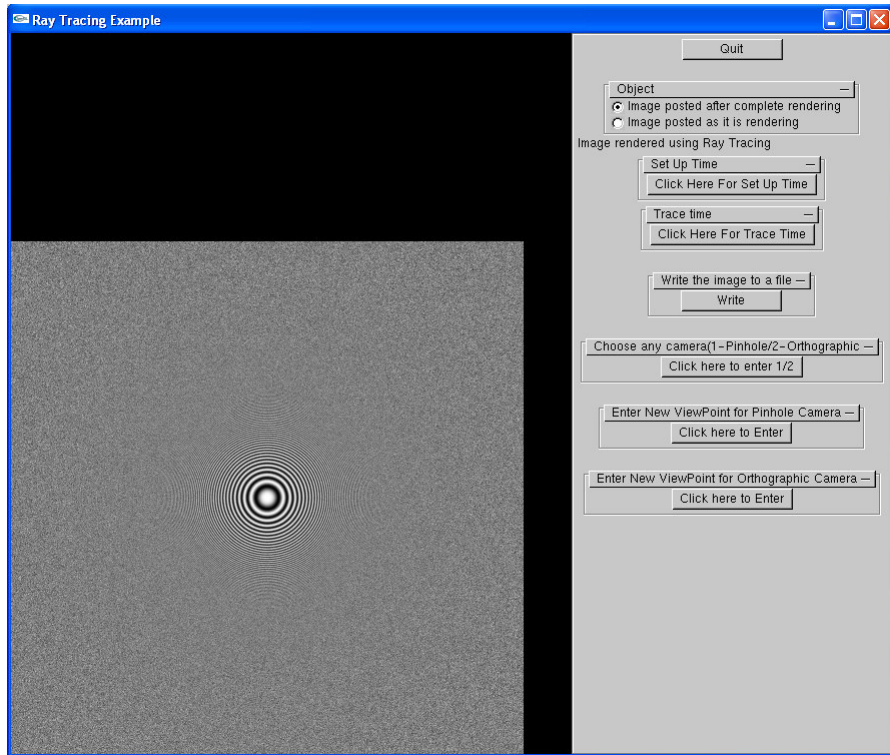**Unid:** u0527667

PROGRAM 8

PART 1(Required Image1)

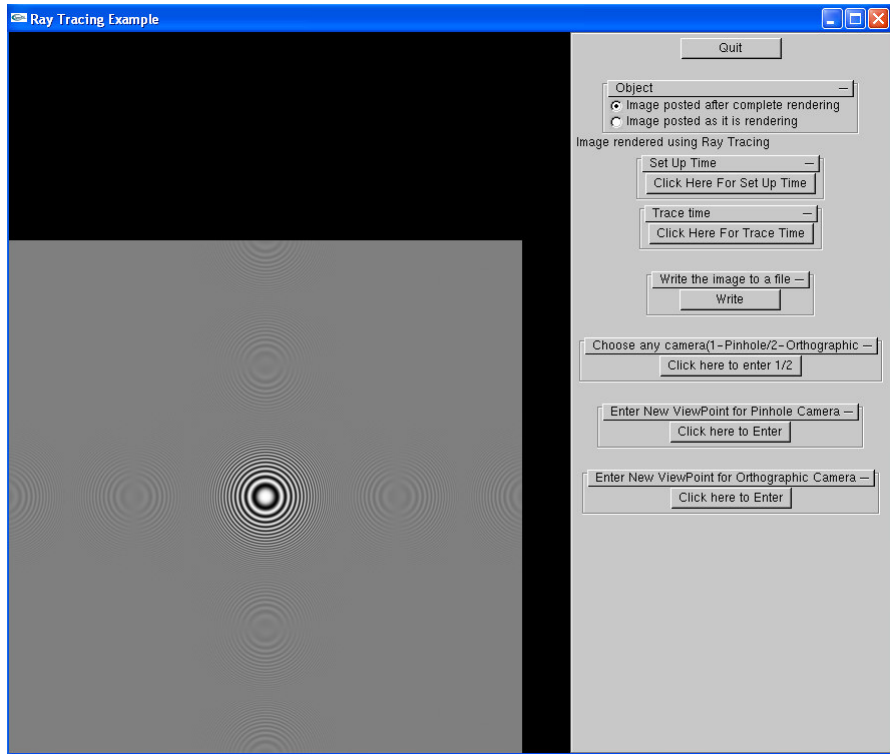(1 sample per pixel with box filter)

(Required Image2)

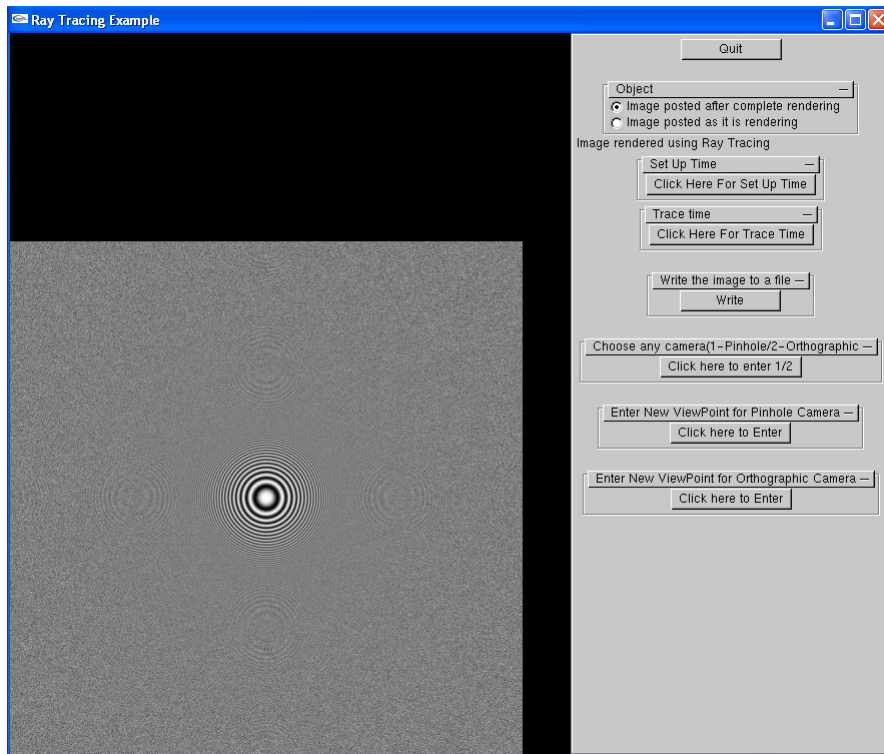(9 jittered samples per pixel with triangle filter with support 2)

(Required Image3a)

(9 Uniform samples per pixel with Gaussian filter with support 2)

(Required Image3b)

(9 jittered samples per pixel with Gaussian filter with support 2)

(Required Image4)

For next three required images I chose final image of assignment5 with Oren Nayar material applied to the heightfield.
(1 sample per pixel with box filter)

(Required Image5)

(9 jittered samples per pixel with triangle filter with support 2)

(Required Image6)

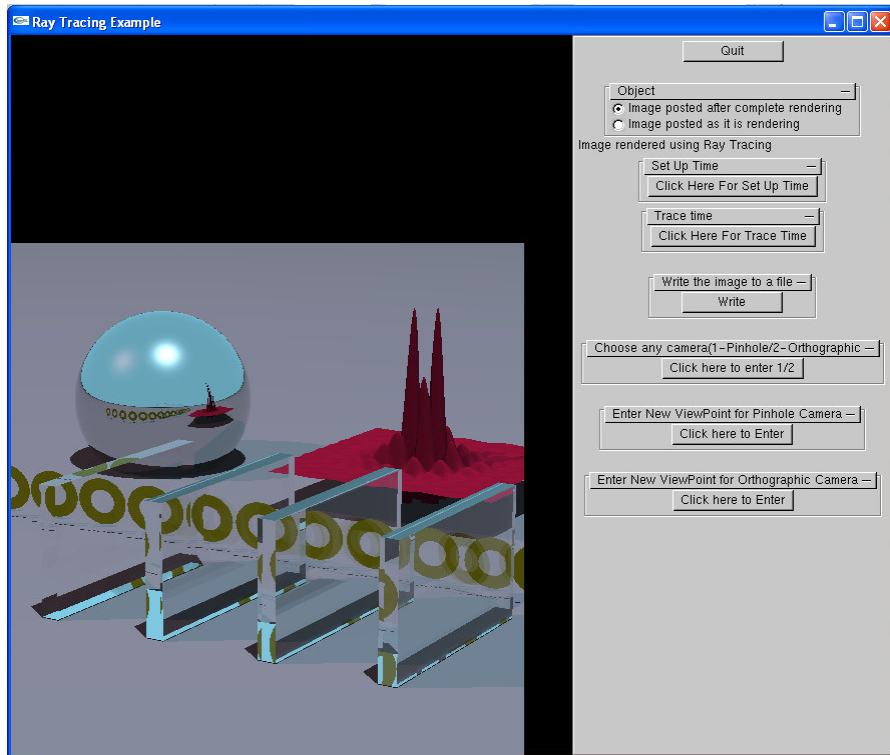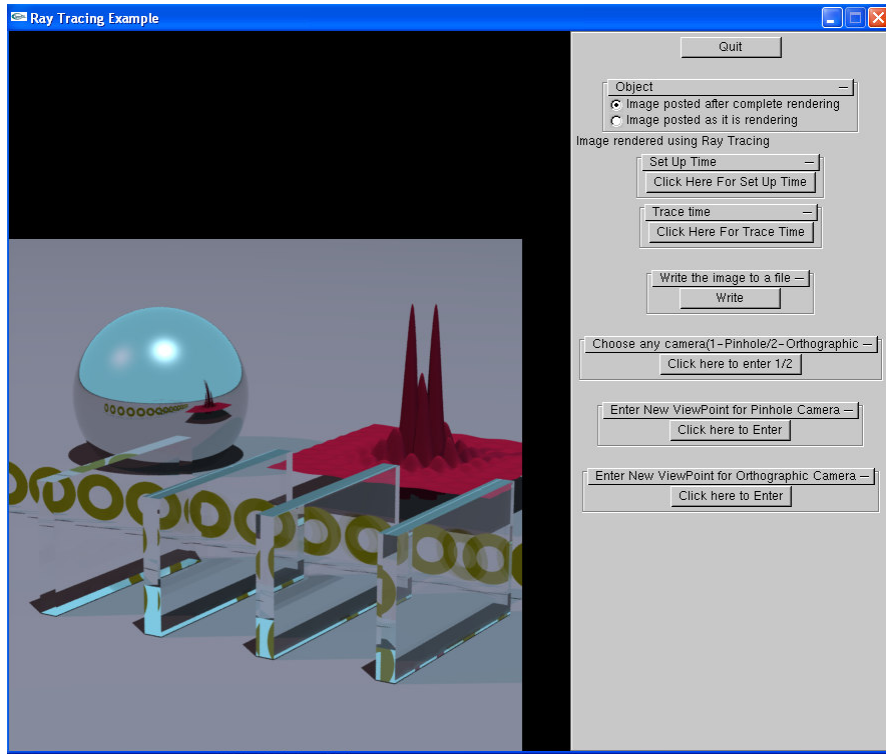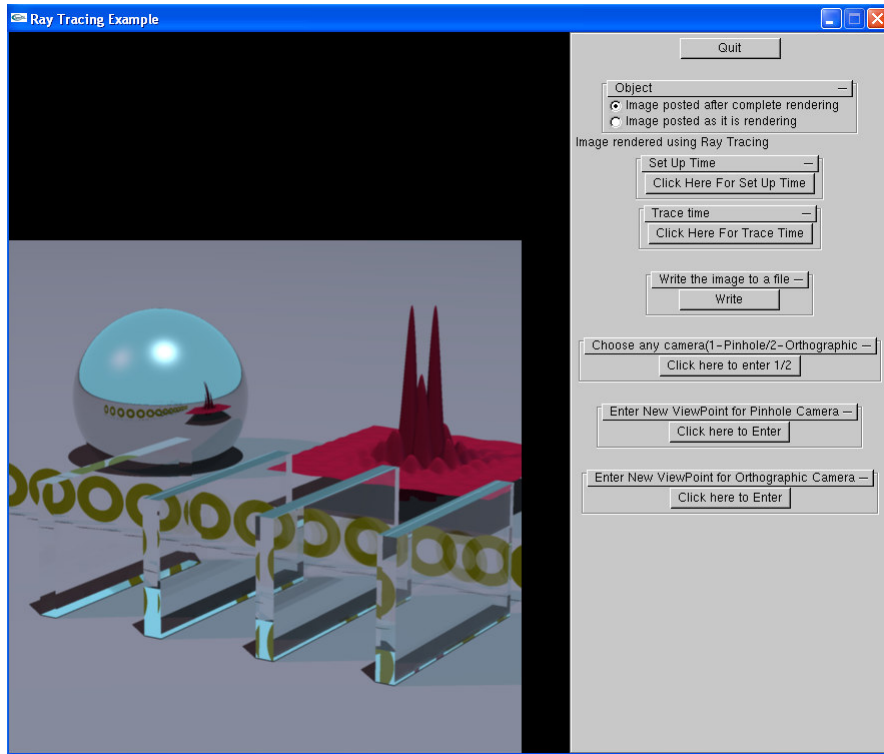(9 Uniform samples per pixel with Gaussian filter with support 2)

PART 2

Link to my code: http://www.cs.utah.edu/~leenak/Code8.txt

PART 3(Description of my design choices)

- For this assignment, I just created seven more classes such as sample, jittered_sample, uniform_sample, filter, box_filter, triangle_filter, gaussian_filter.
- I had problems with my triangle filter because I was getting blurry images.
- I Then debugged my code for my triangle filter to work well.