

## Pre-Class Assignment 1

### Reading Material 1: **Light Field Rendering**

Question 1:

What is *light slab*?

Question 2:

With your understanding of the relationship between rays in Cartesian space and the point in line space, assume here is a vertical line  $l: r = r_0$  in line space, give a brief explanation of which set of rays would be represented by  $l$ ?

### Reading Material 2: **The Lumigraph**

Question 3:

What is *Lumigraph*?

Question 4:

Briefly explain *basis function* mentioned in section 2.3 and how it effects the continuity of reconstructed Lumigraph.