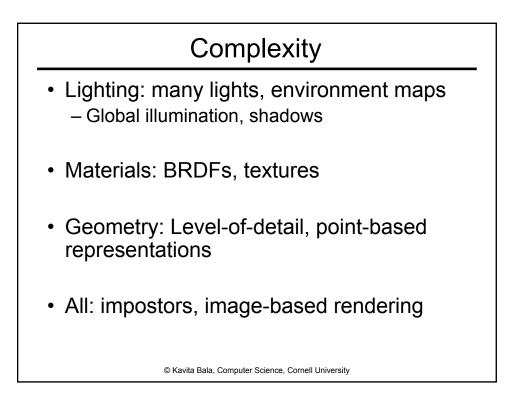
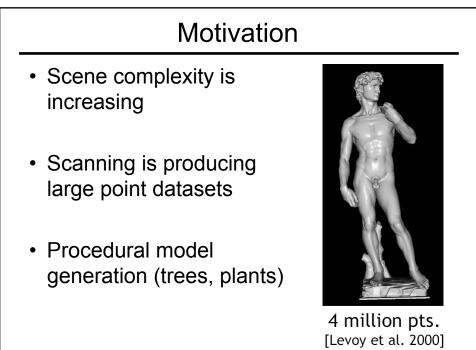
## Lecture 21: Point-based Rendering

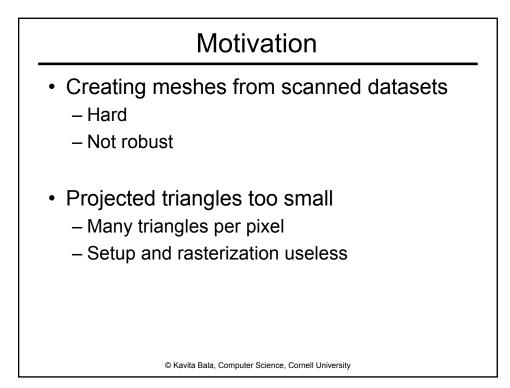
Fall 2004 Kavita Bala Computer Science Cornell University

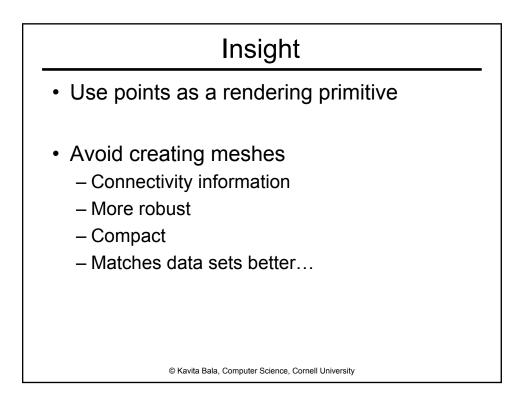
## Announcements

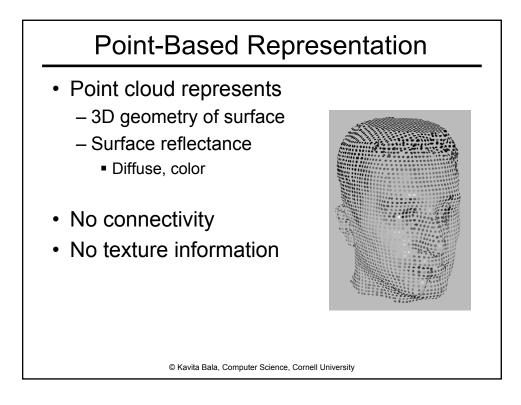
- In-class exam next week Nov 18<sup>th</sup>.
- Regrade requests in writing
  Will regrade whole assignment

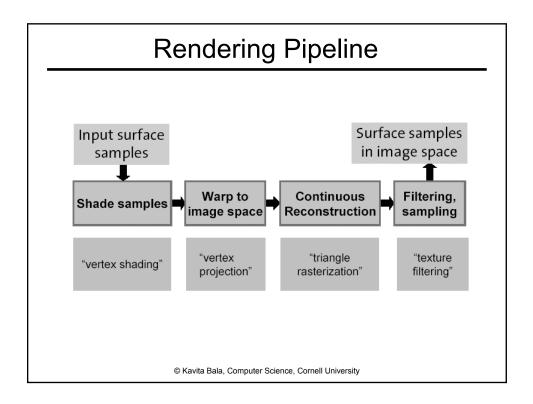


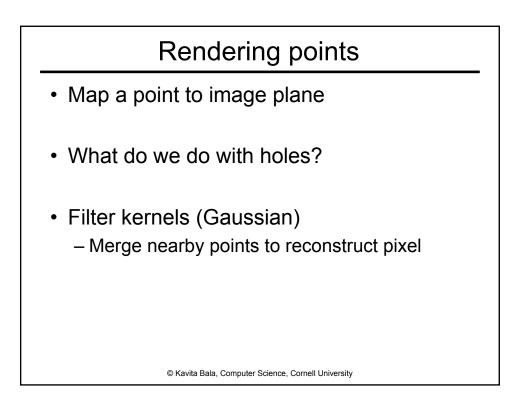


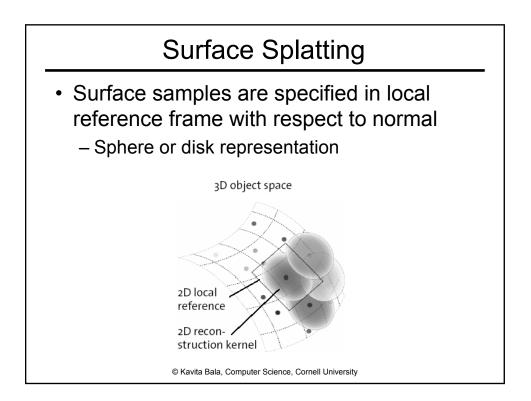


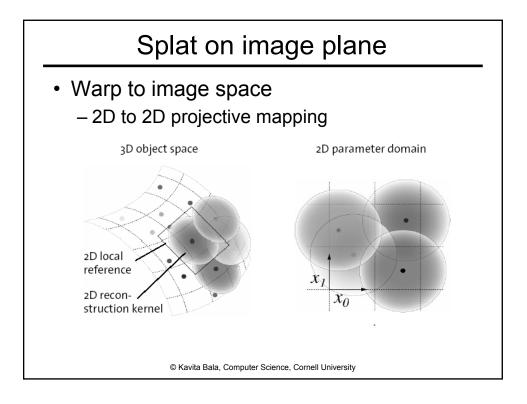


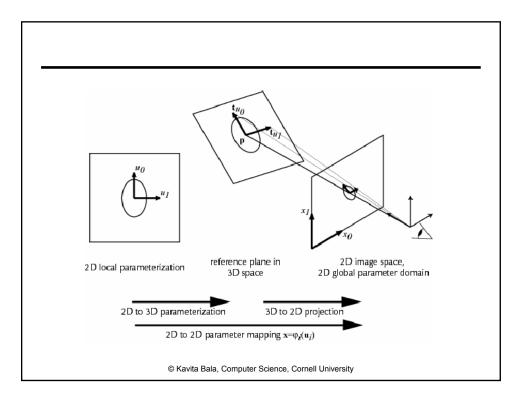


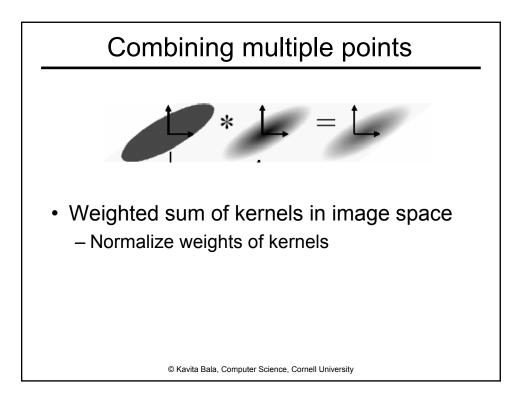


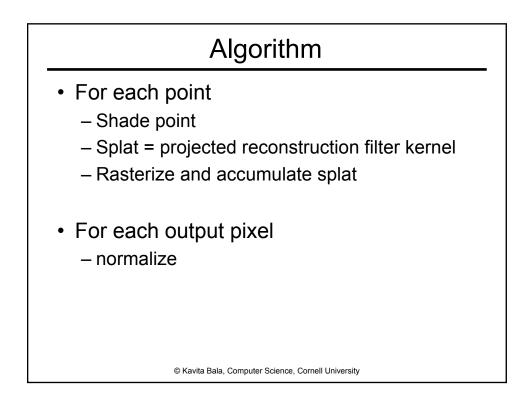


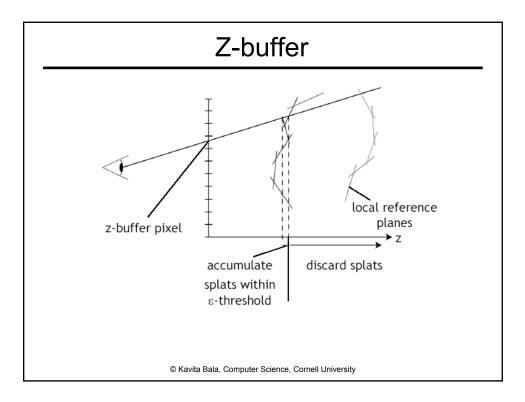


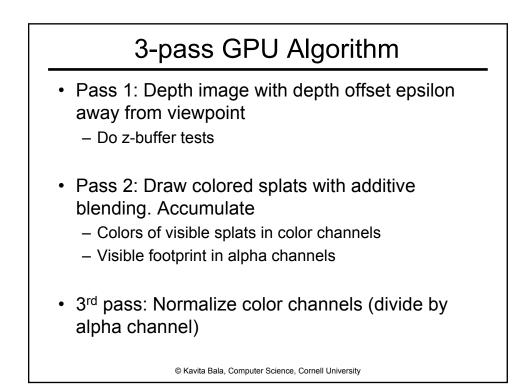






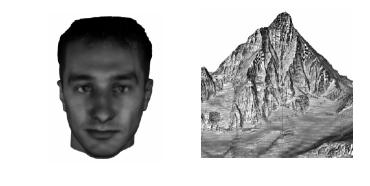


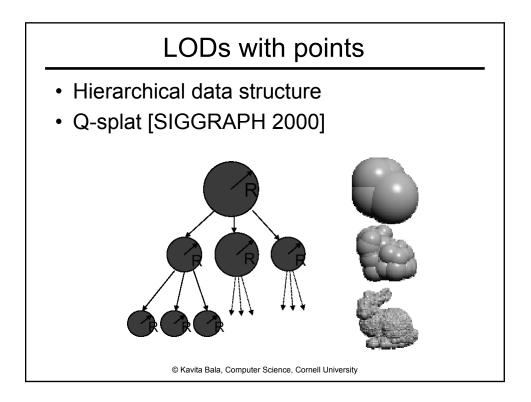


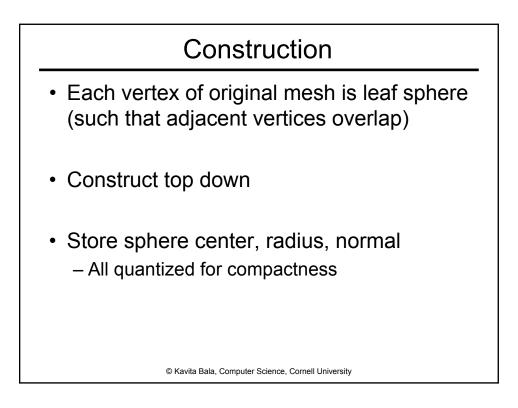


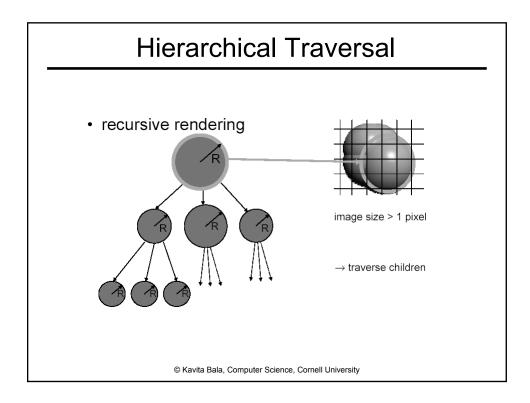
## Results

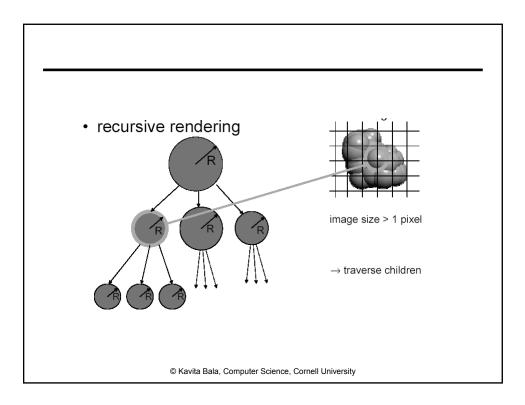
- Scanned head: 429k points
- Matterhorn: 4,787k points
- On GPUs: 3M points/sec

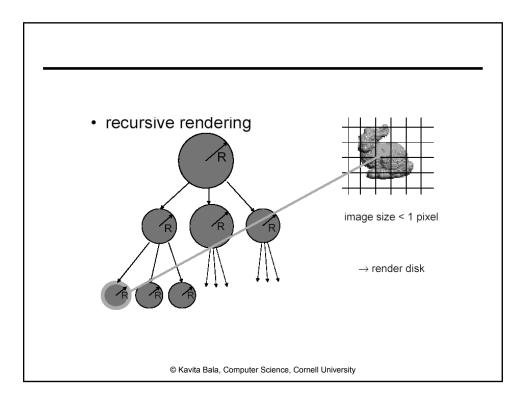




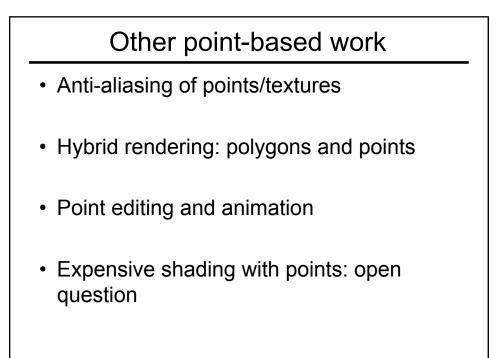


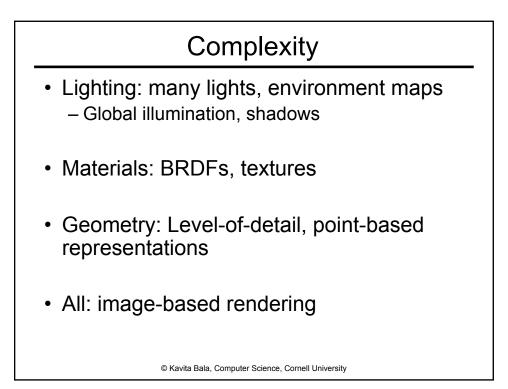


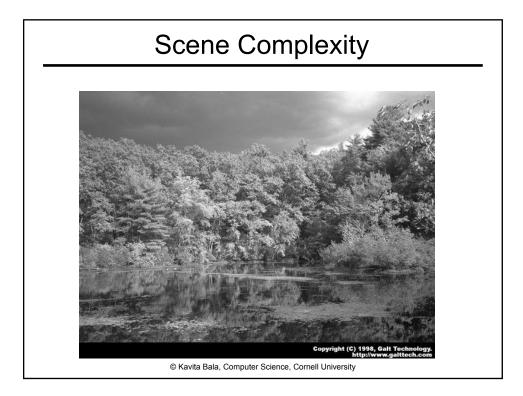


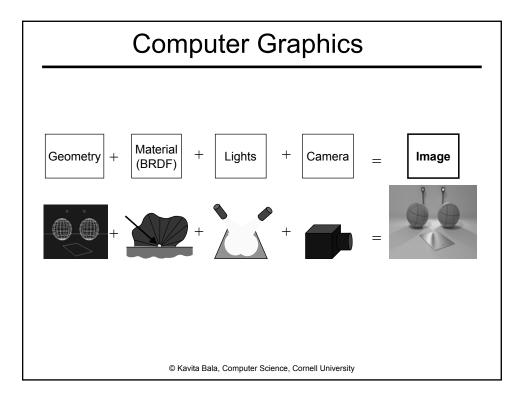


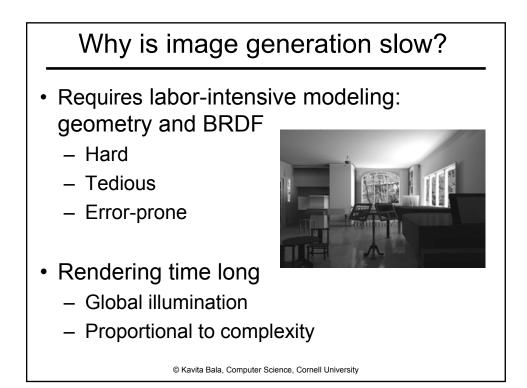


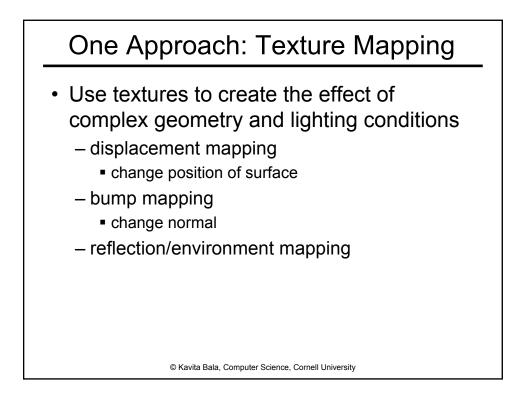


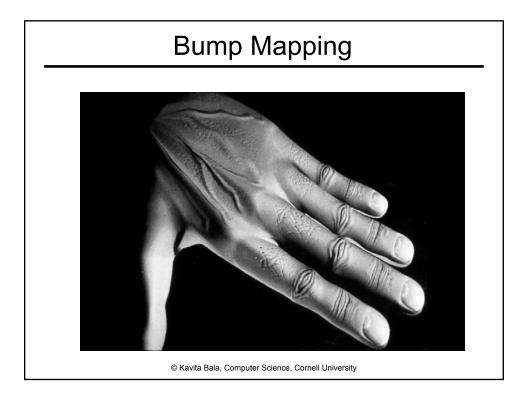


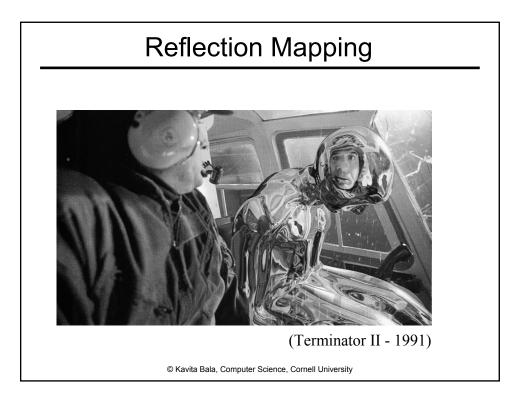


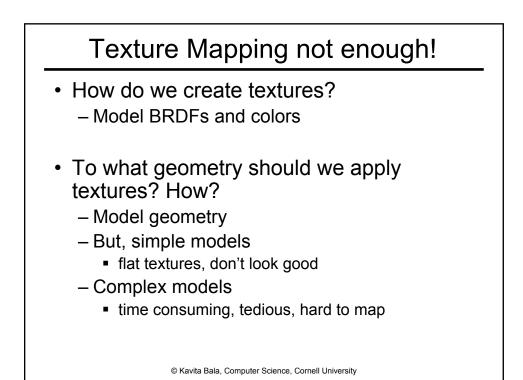


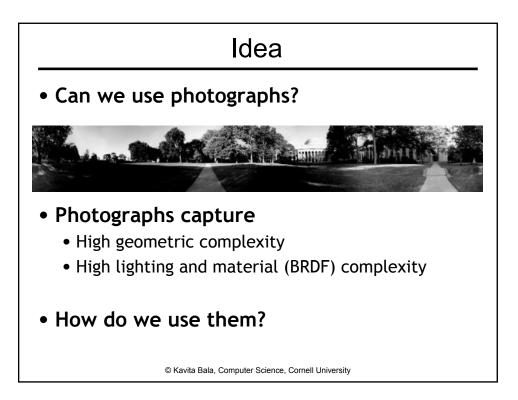


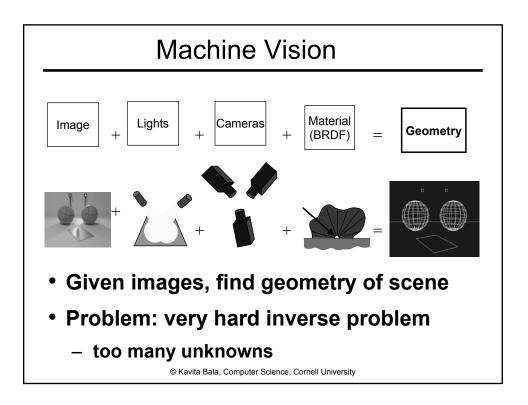


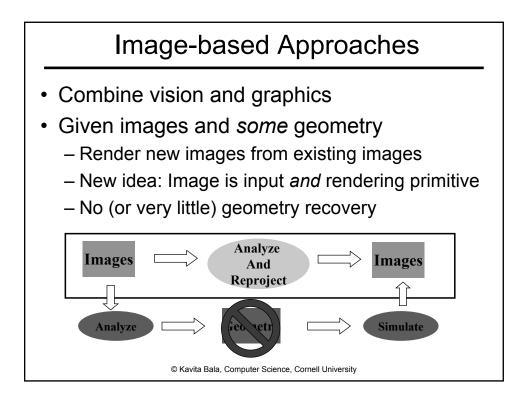


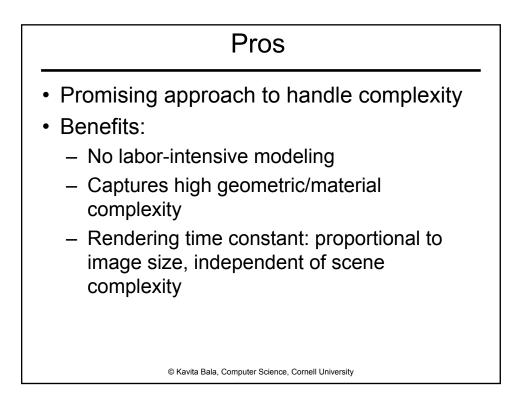


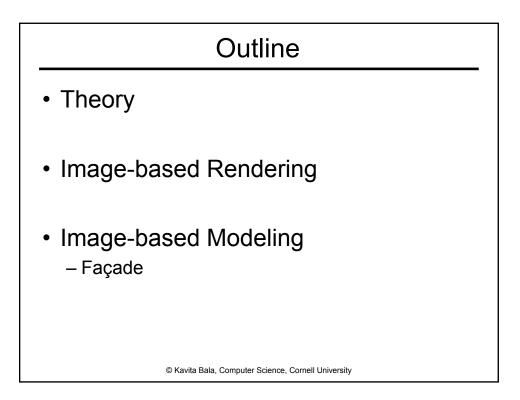


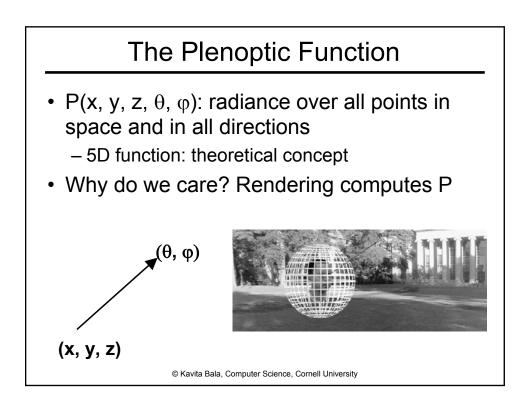


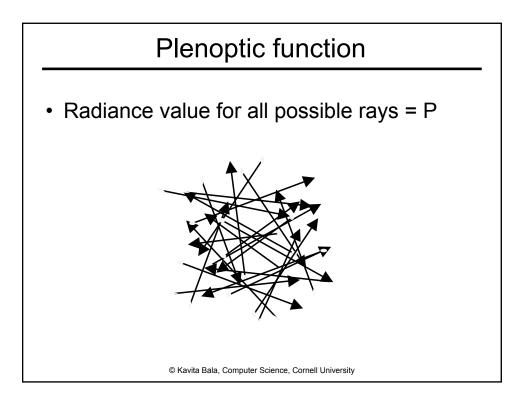


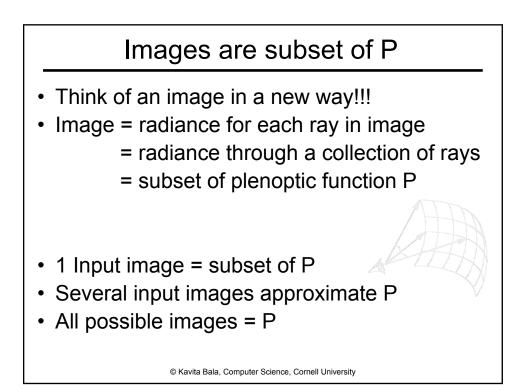


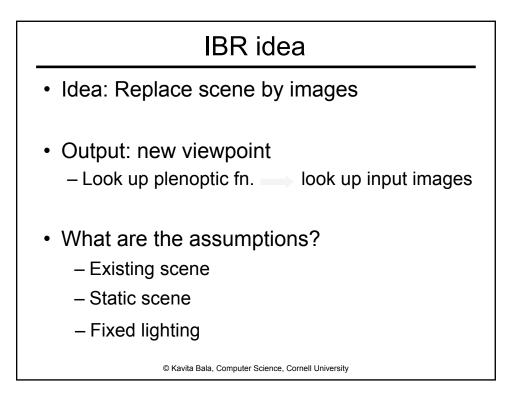


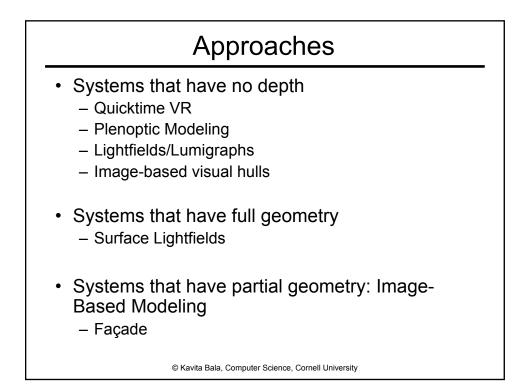


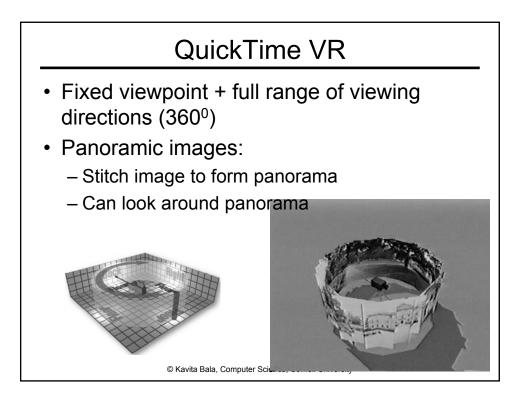












## Quicktime VR

- Demo
- Pros
  - Simple, fast, effective
- Cons
  - Camera position is confined to predefined observer positions
  - Distortion when user deviates from position

 $\ensuremath{\textcircled{}}$  Kavita Bala, Computer Science, Cornell University