

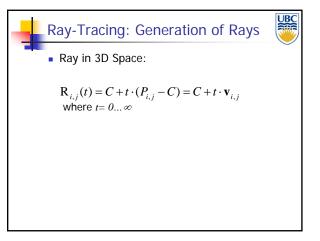
Ray Tracing

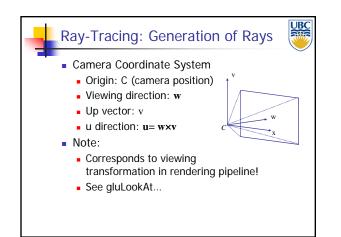
Ray-Tracing: Practicalities

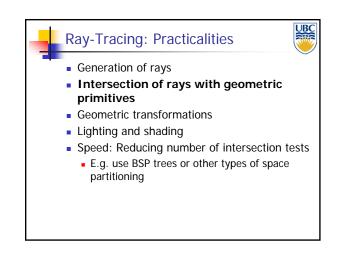
- Generation of rays
- Intersection of rays with geometric primitives

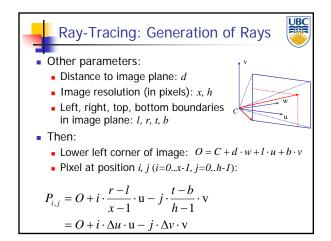
UBC

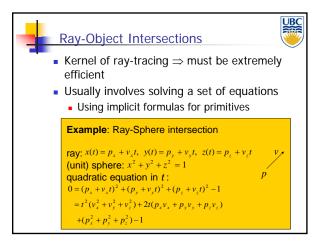
- Geometric transformations
- Lighting and shading
- Speed: Reducing number of intersection tests
- E.g. use BSP trees or other types of space partitioning



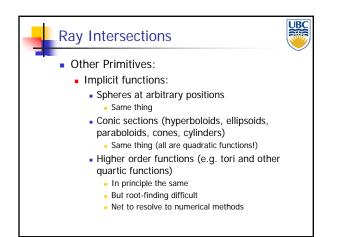


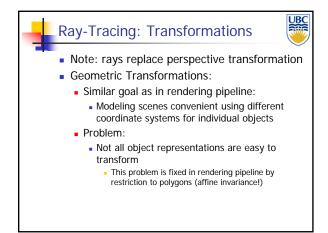


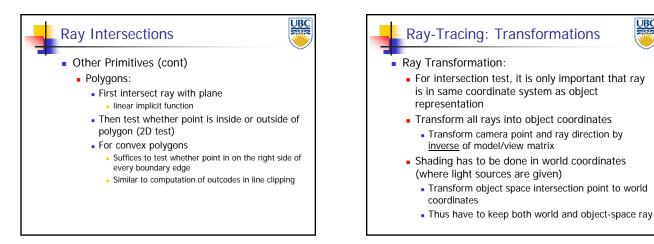




Ray Tracing







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UBC **Ray-Tracing: Practicalities** Generation of rays

- Intersection of rays with geometric primitives
- Geometric transformations
- Lighting and shading
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