

Xiao Zhou, 6021349

Render( ) in the Render.cpp: Paste ray generation code from last assignment

rayTriangleIntersect in Triangle.cpp: Paste ray-triangle intersection function from last assignment

IntersectionP in Bounds3.hpp: implement the boundingbox-ray intersection. Find the  $t_{\text{enter}} = \min$  of  $t_{\text{max}}$  and  $t_{\text{exit}} = \max$  of  $t_{\text{min}}$ . Intersect only if  $t_{\text{enter}} < t_{\text{exit}}$  and  $t_{\text{exit}} > 0$

getIntersection in BVH.cpp: recursively test if a bounding box intersect with the ray. If not or is leaf return empty, else return the node with shorter distance.

I also modified the triangle.hpp Intersection function to test if a point is in a triangle or not.

