

Mingfei Guo ([mfguo@stanford.edu](mailto:mfguo@stanford.edu)):

1. Task 1: Generating Camera Rays
2. Task 2: Ray-Triangle Intersection
3. Task 3: BVH intersection

Boyu Zhang ([bzhang99@stanford.edu](mailto:bzhang99@stanford.edu)):

1. Task 4: Shadow Rays
2. Task 6: Perfect Mirror Reflection

### **Extra credit:**

Mingfei Guo:

1. Ray-Sphere intersection

Boyu Zhang:

1. Task 5: Global illumination path tracing with Russian roulette
2. Transmissive surfaces, w/ transmission given by the Fresnel equations)

Final image with 2048 samples (Cornell box):



