

Document For Hw4

Manman Liang

Ranran He

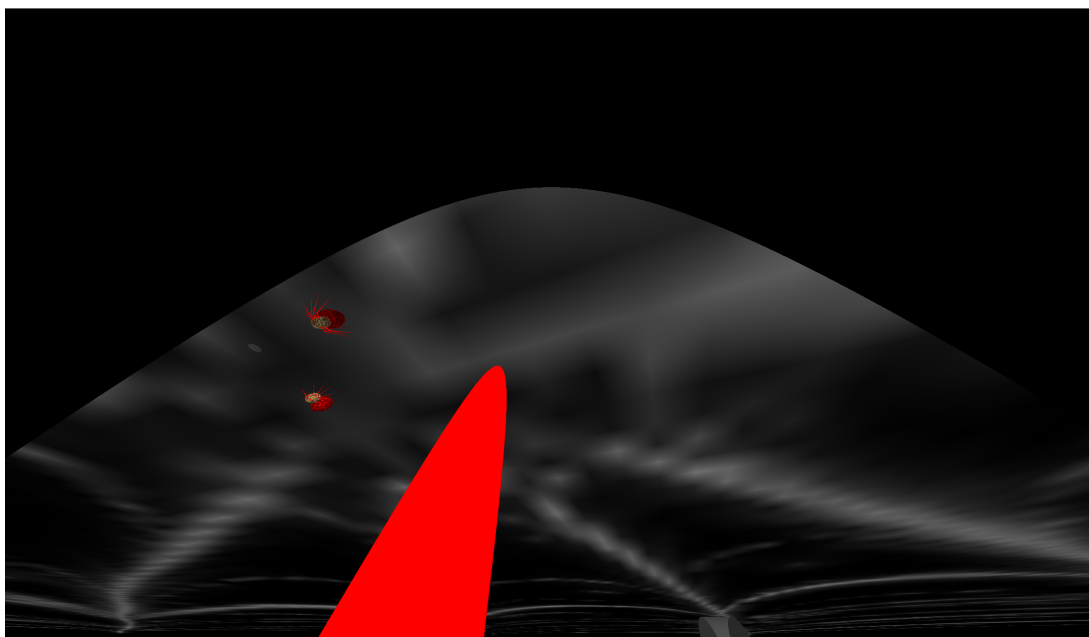
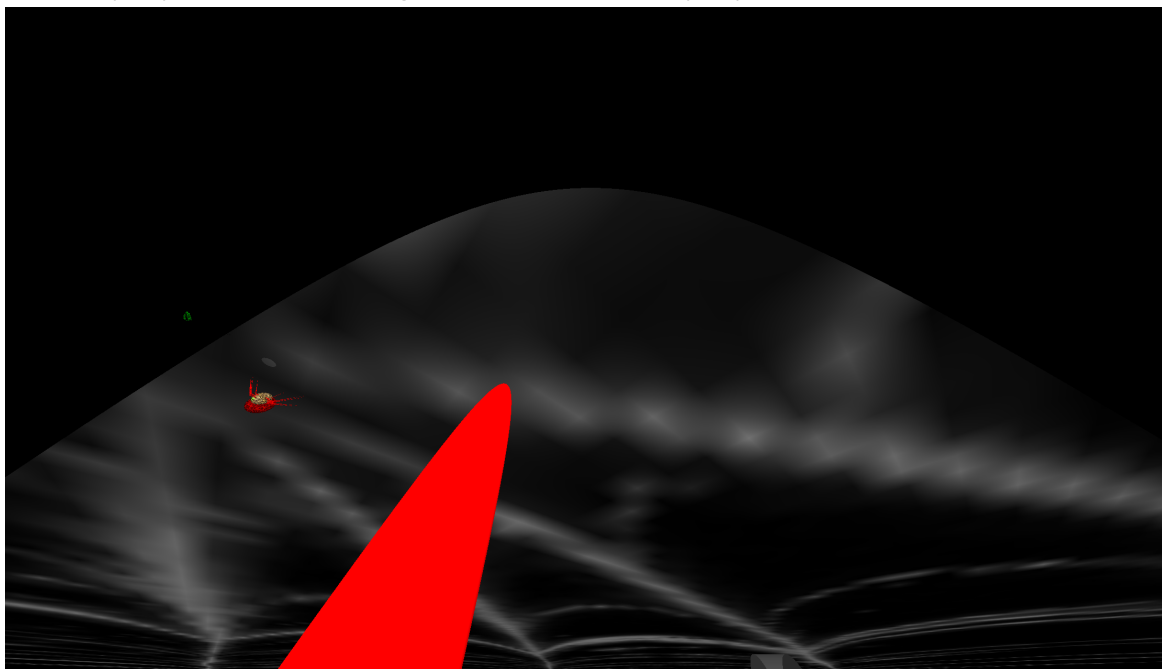
1. Description of scene

In the ground perspective, an aircraft is circling in the dark sky with its airscrews rotating. The aircraft has a light to the ground so that part of the ground can be seen under the light. When aircraft moves, the light moves too. Two spiders which seem poisonous are moving on their web on the ground with their red legs moving. Then, with the movement of aircraft, spiders are sometimes in the dark, sometimes in the light. In the dark, only part of their legs can be seen in green color.

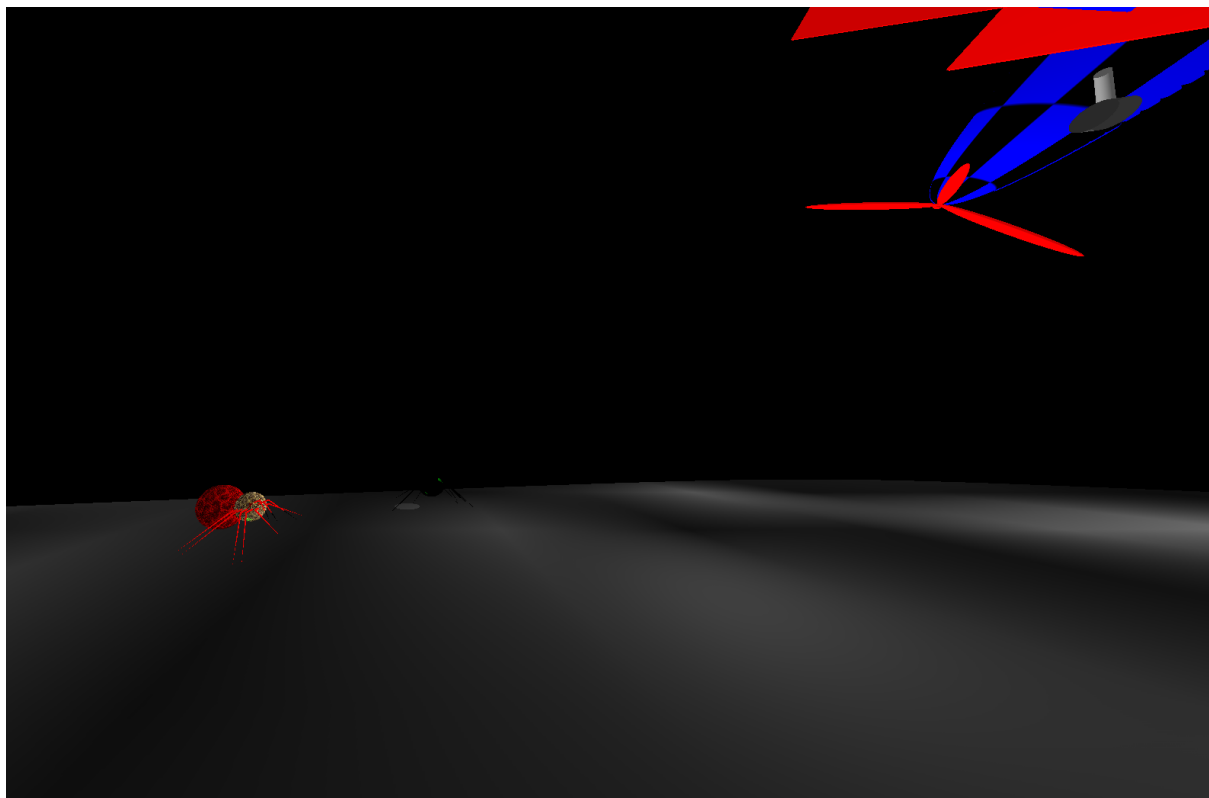
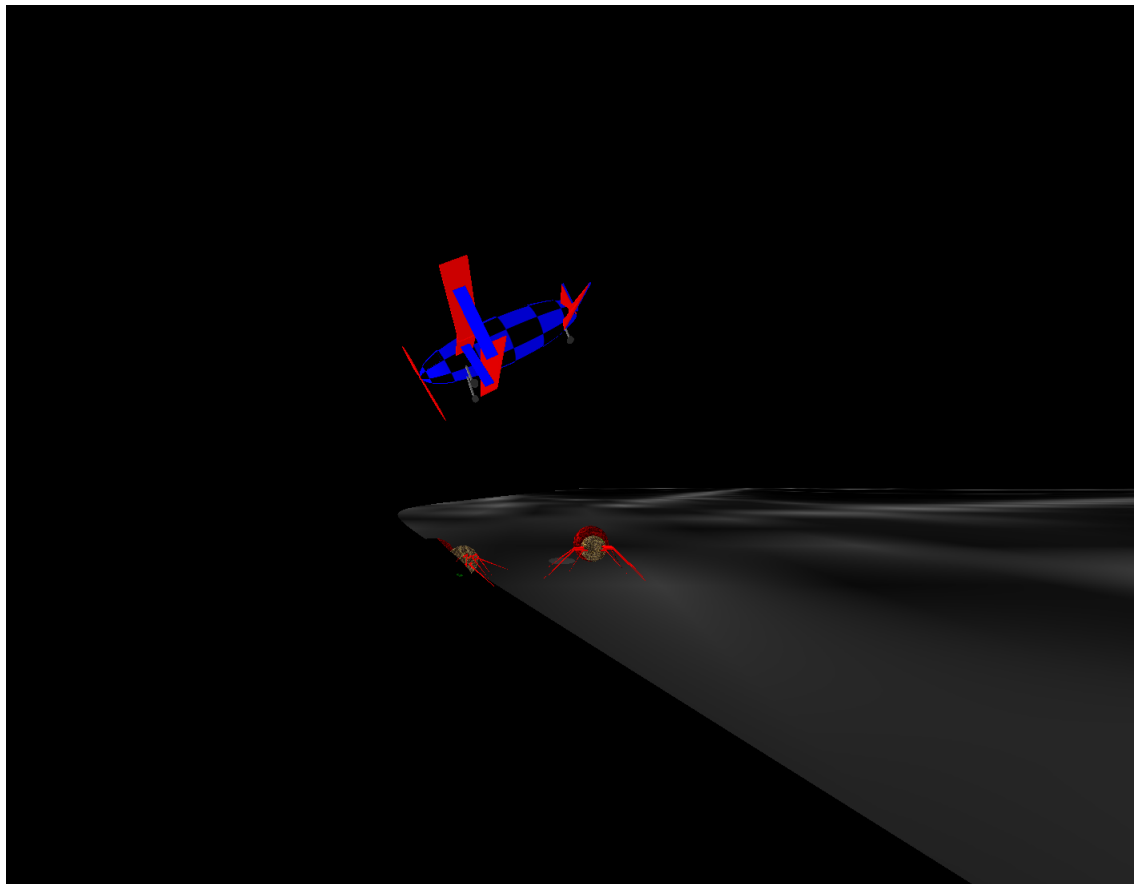
In aircraft's perspective, airscrew rotates in front of eyes. The spiders are rotating with their web. They are still moving on the web and sometimes in the light, sometimes in the dark. In the dark, part of their legs can be seen in green color.

2. User manual

There are two cameras, one is on the ground and one is on the aircraft. Press "O" to change to the aircraft's perspective. The following screen shots are in this perspective.



Press “G” to return back to the ground perspective. Here are some screen shots in this perspective.



3. Description of each model

There are three models, which are two spiders and one aircraft.

Spiders: top-body and lower-body (made of sphere). Top-body consists of legs (consist of far-leg (made of cone) and near-leg (made of cylinder)) and head (made of sphere).

Aircraft: body and airscrew. Body consists of main-body (made of sphere), wings (consist of two upper wings and one lower wing with two bars, made of multiple boxes), tails (consist of three pieces of tail, each tail is made of one cone and one box), and landing gears (consist of wheels and bars, wheels are made of sphere and bars are made of boxes). Airscrew consists of a center (made of cylinder) and there pieces of fans (made of spheres).

4. Identify works

We did spot light, texture mapping, "your scene" and edited part of lighting basics together. Manman did the spider model, lighting basics and camera. Ranran did the aircraft model and edited spider model.

5. Estimate of time

15 hours. Difficult