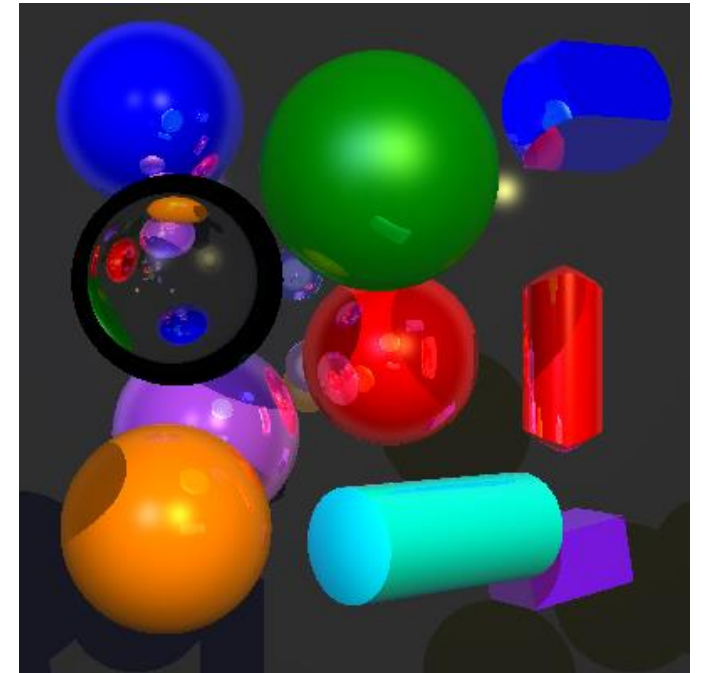


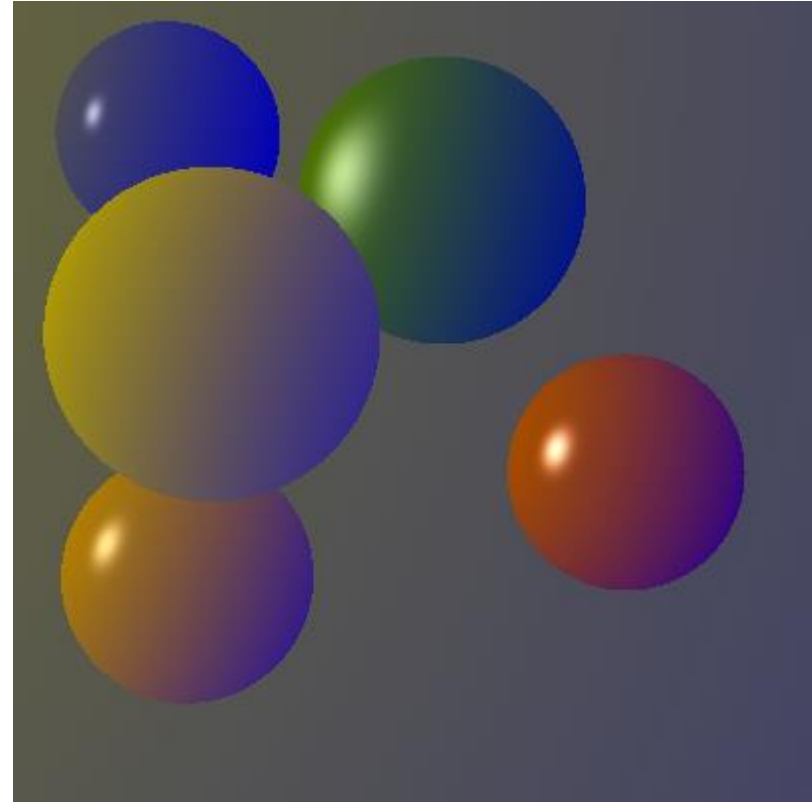
Lab Sessions

Photorealistic Rendering (Advanced Computer Graphics)

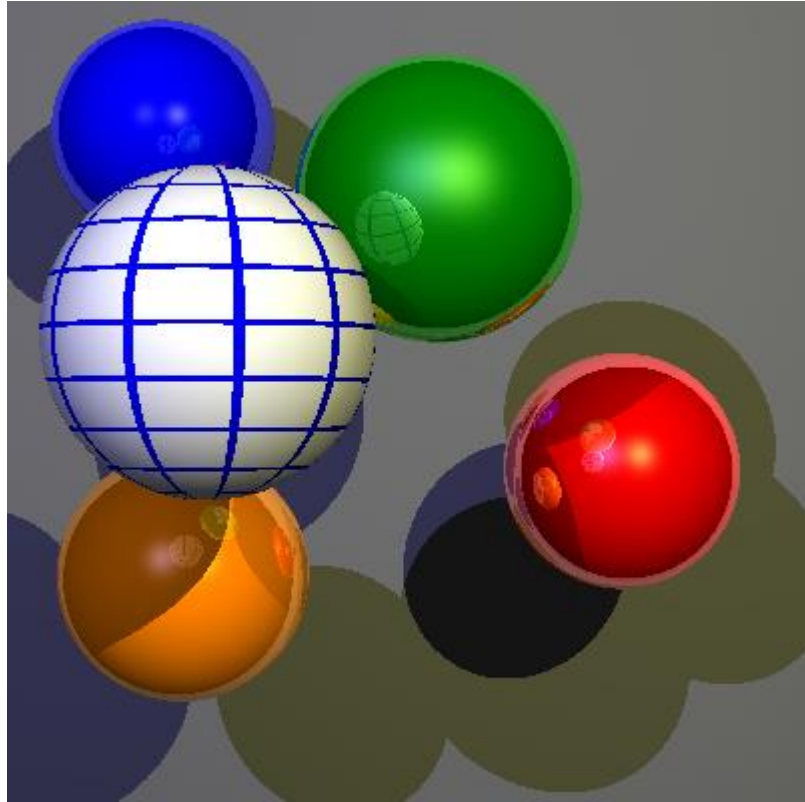
Tobias Isenberg



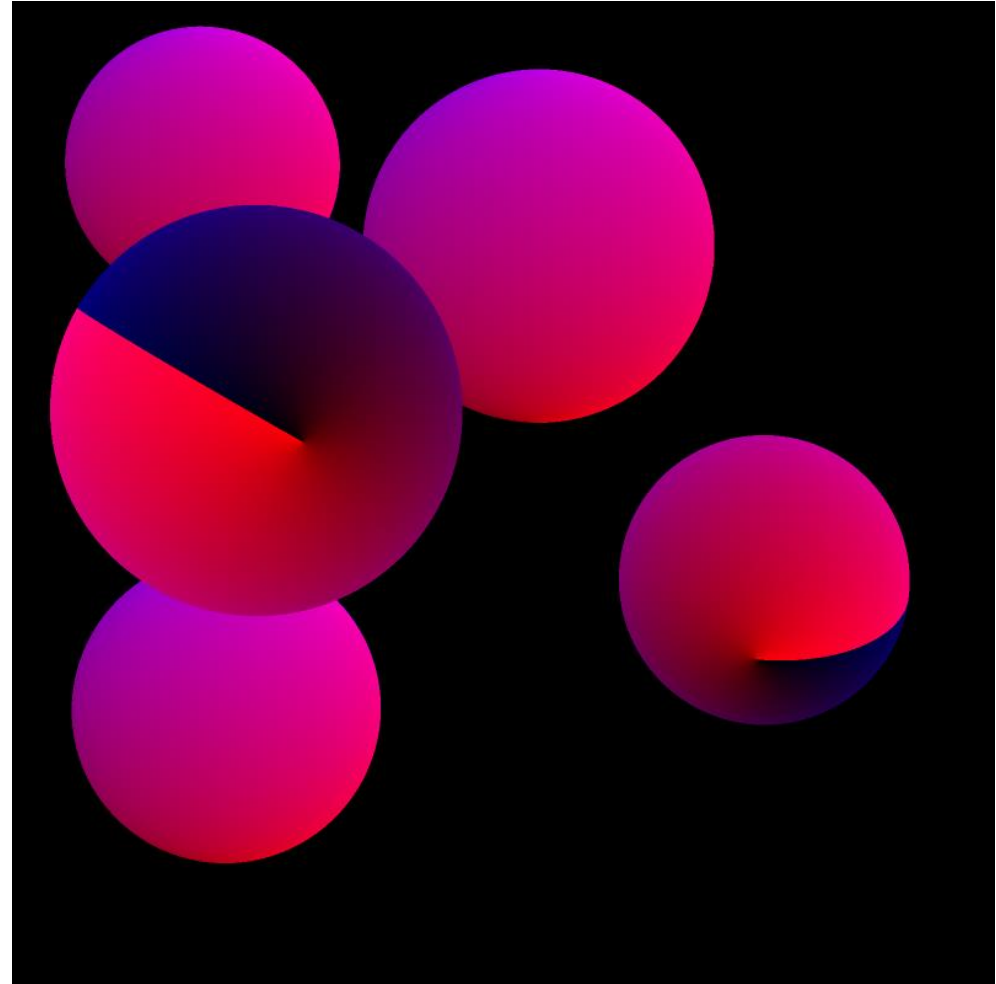
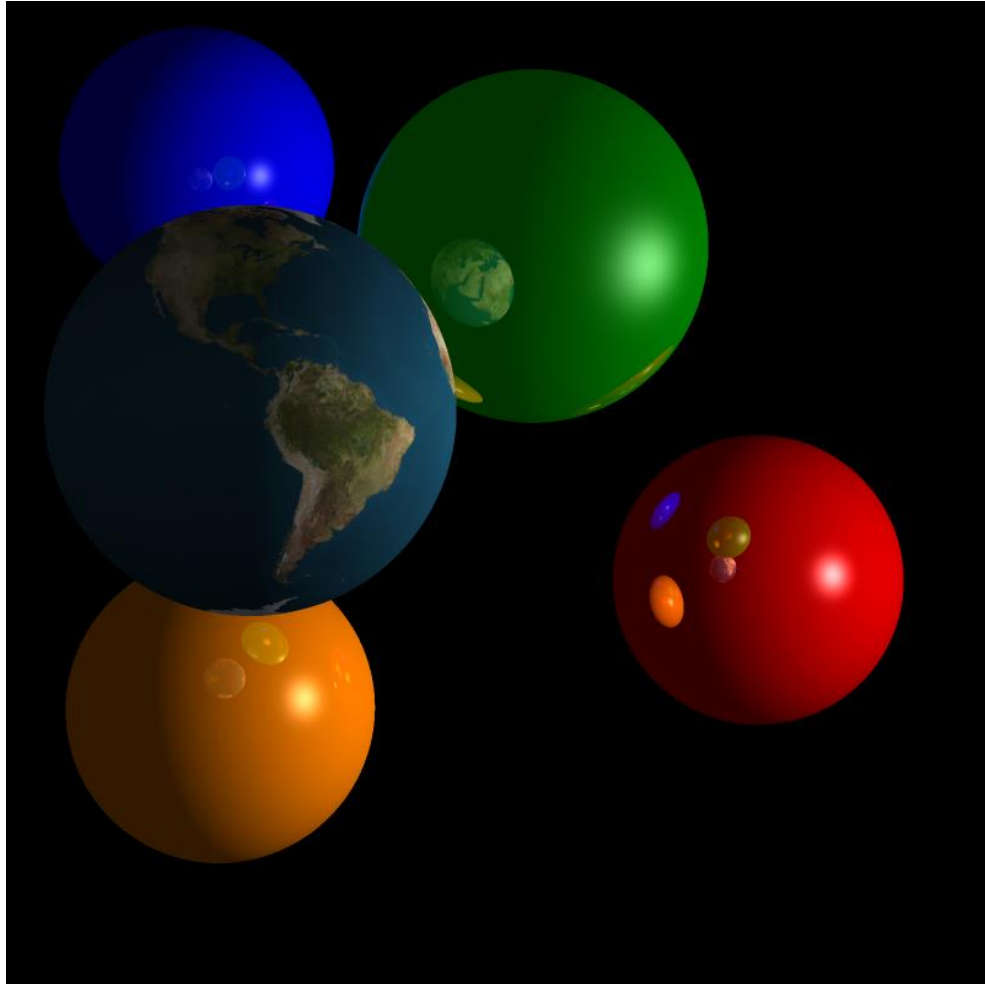
Results



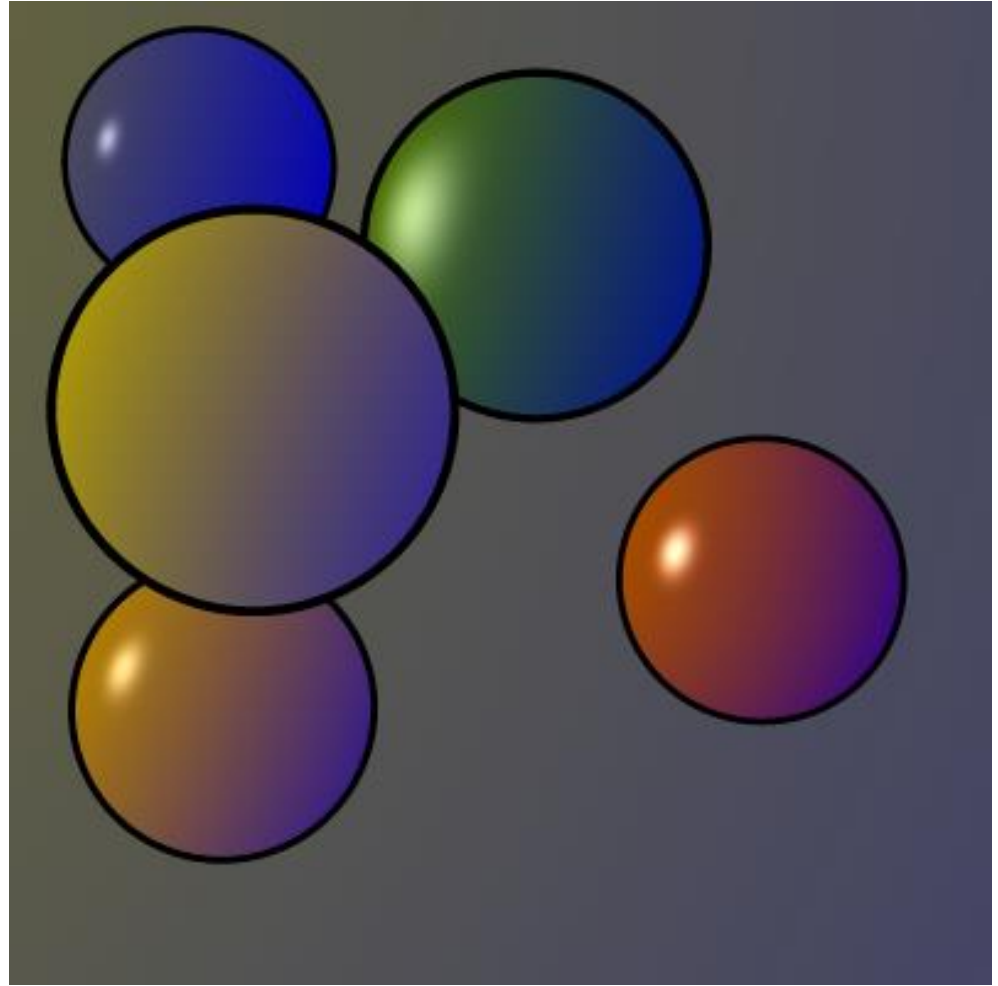
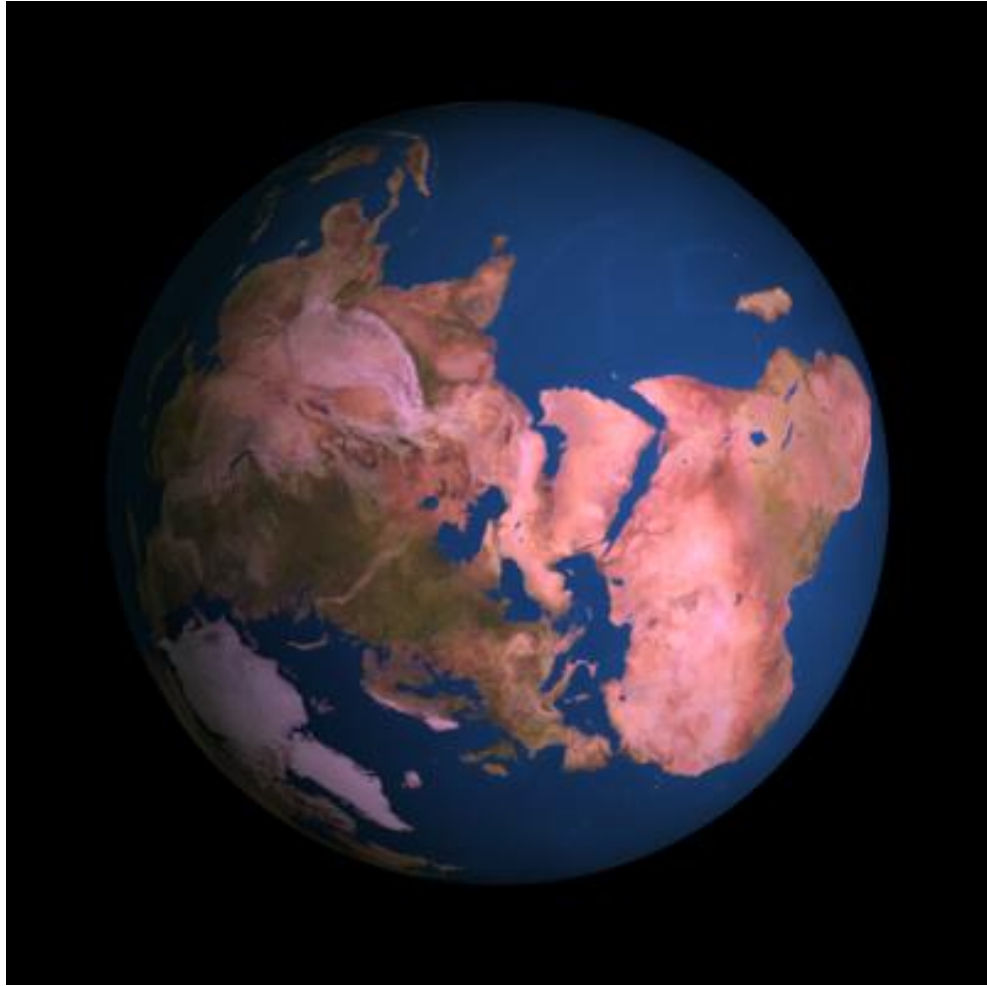
Results



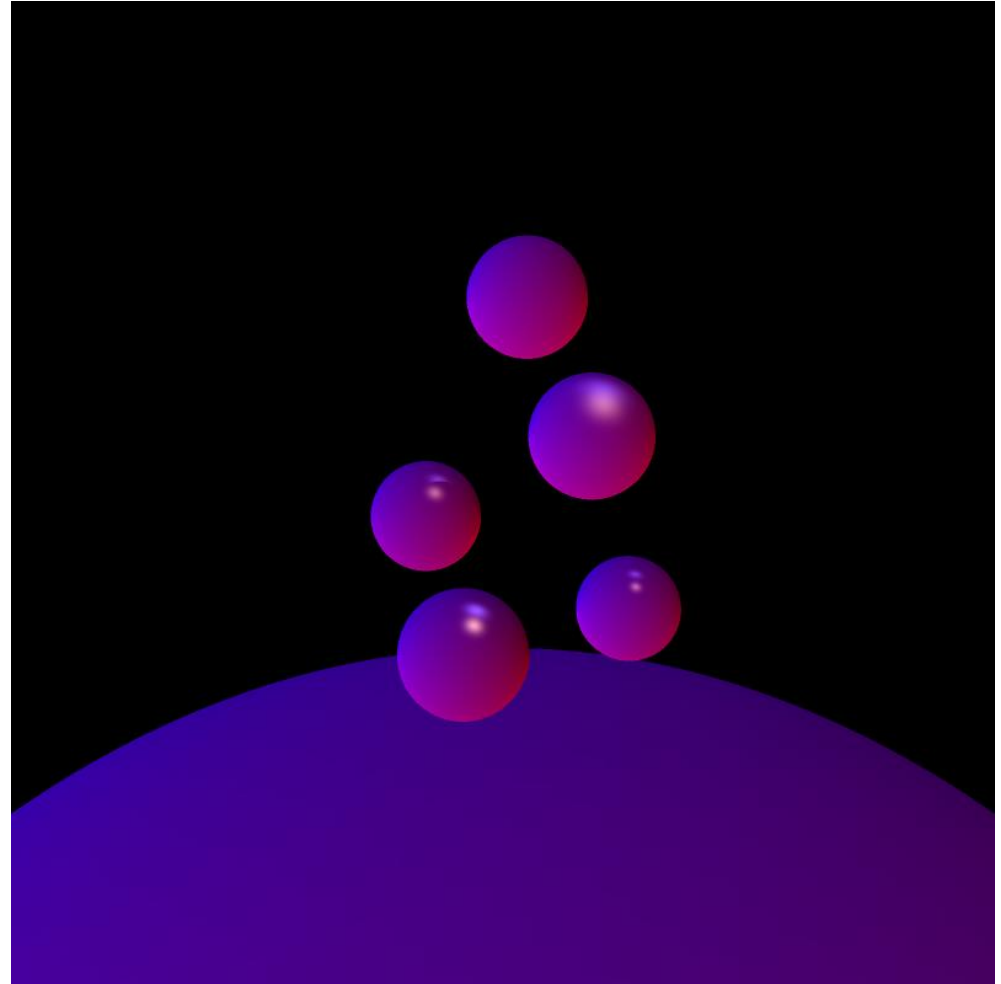
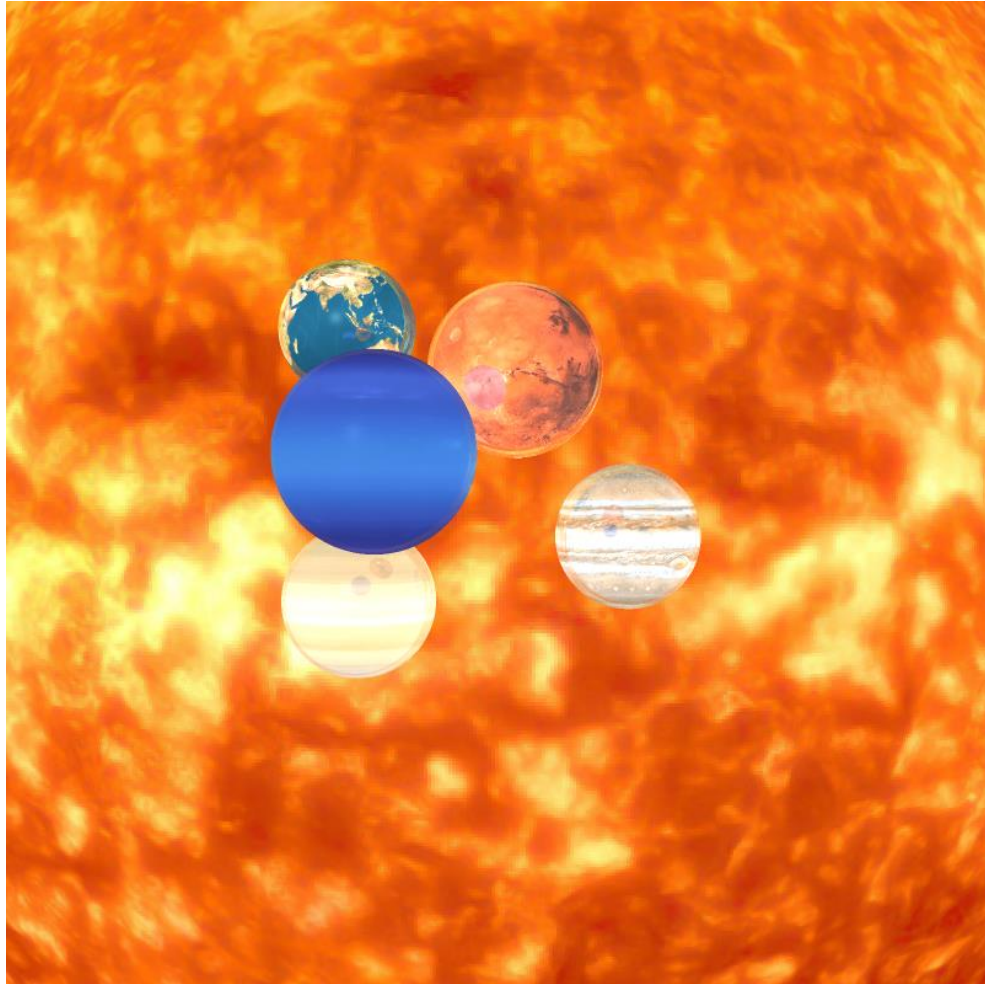
Results



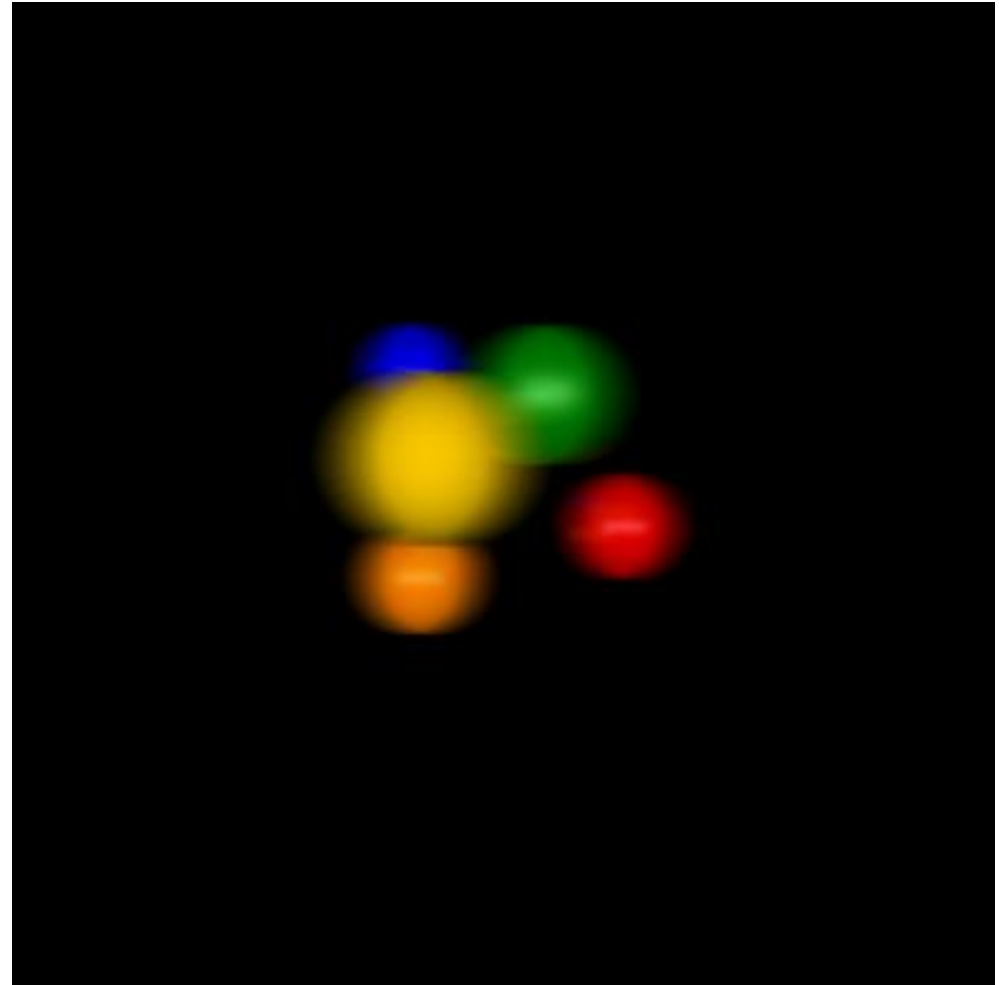
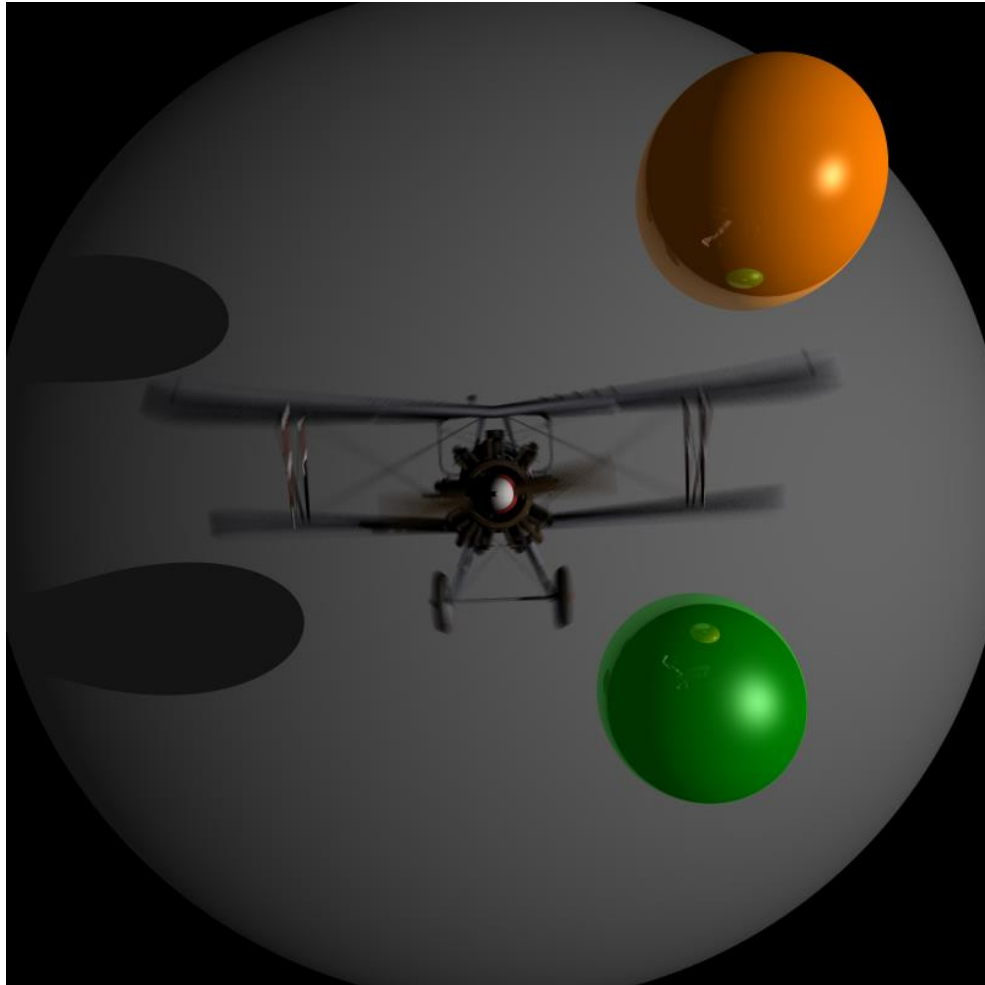
Results



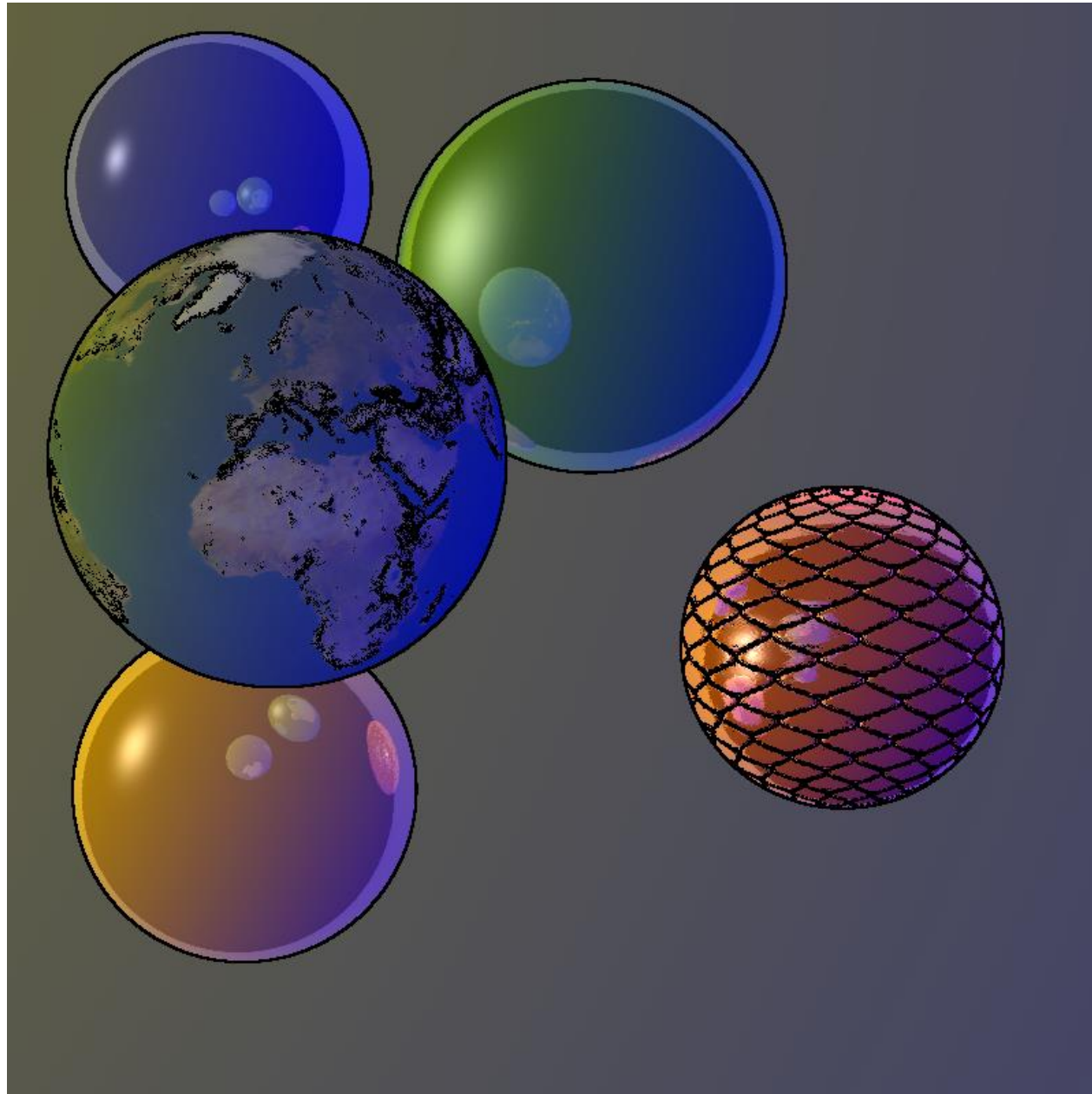
Results



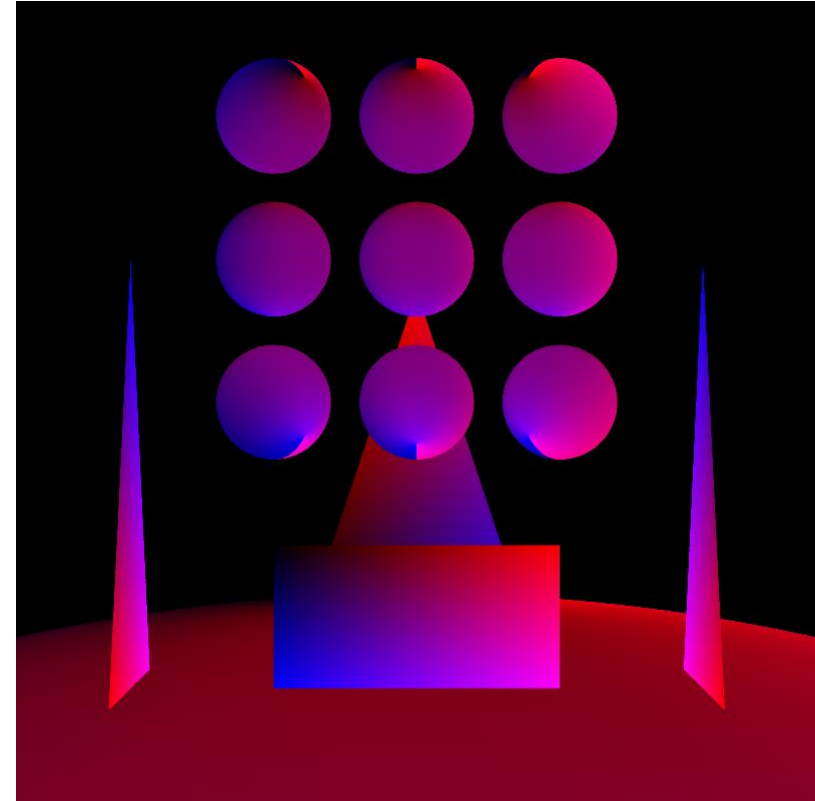
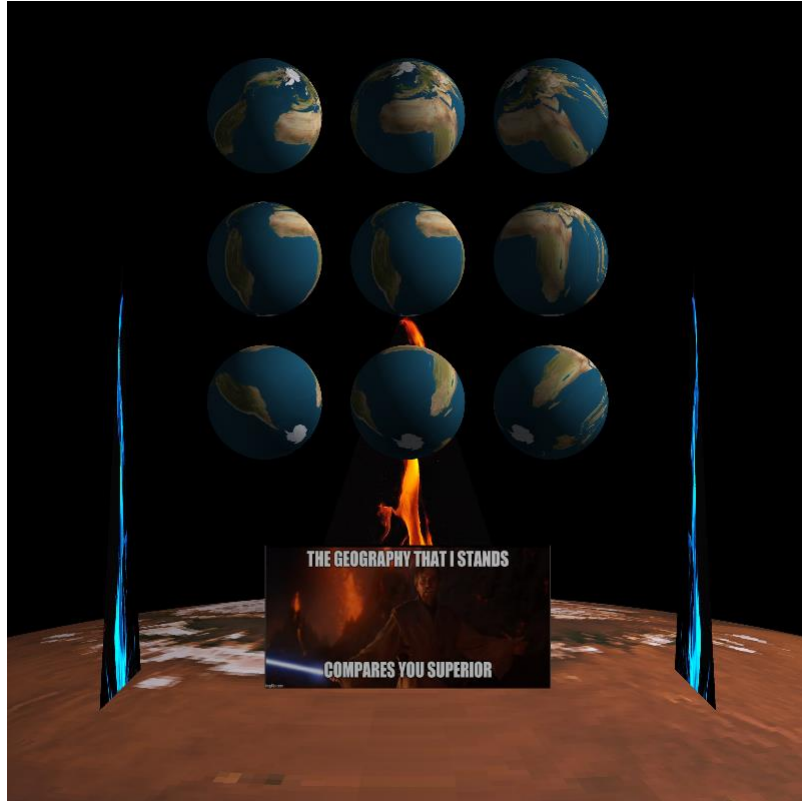
Results



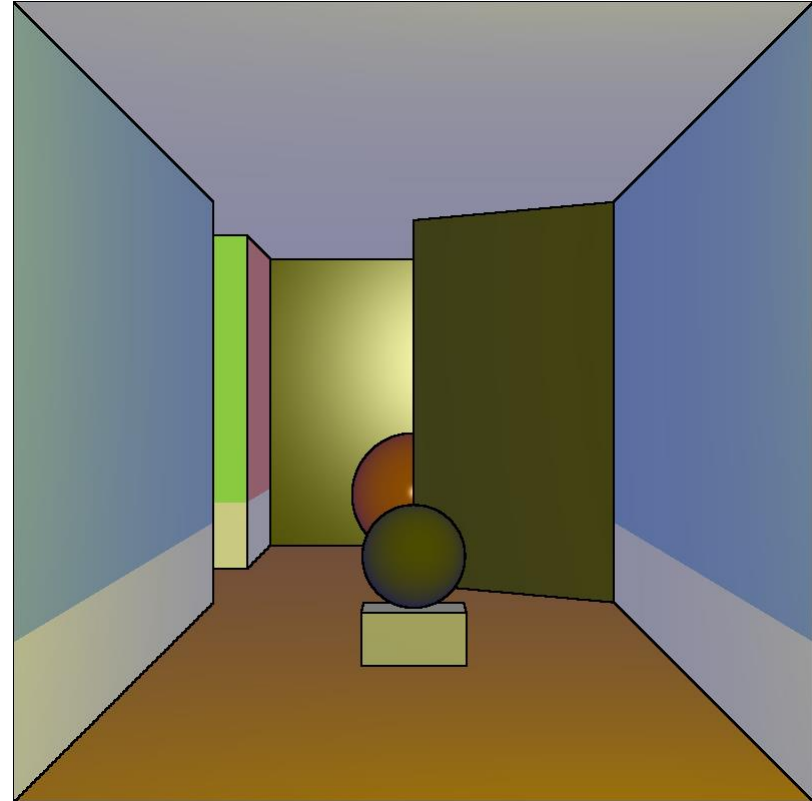
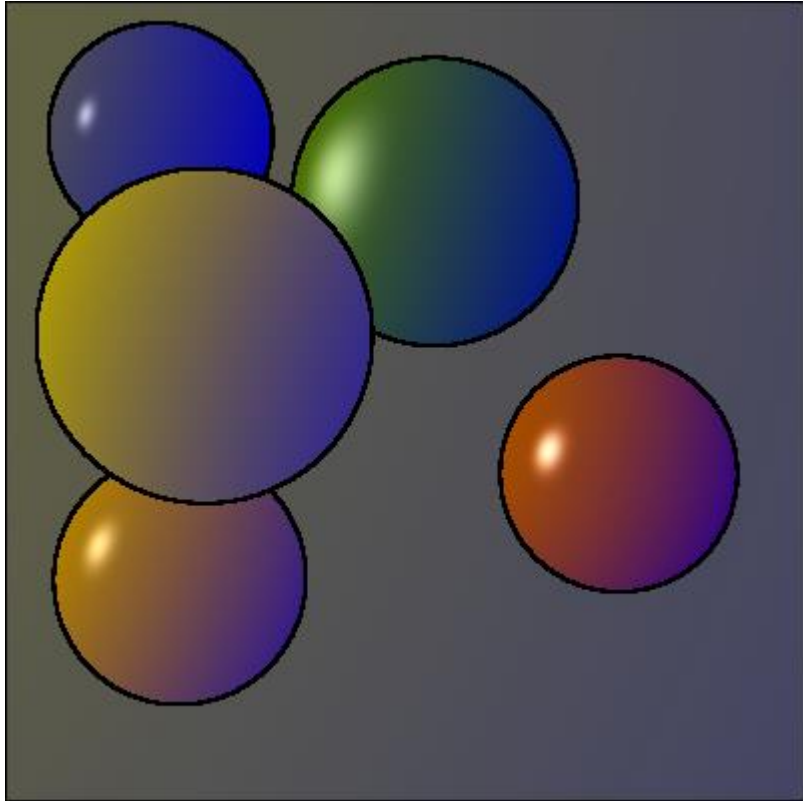
Results (previous years)



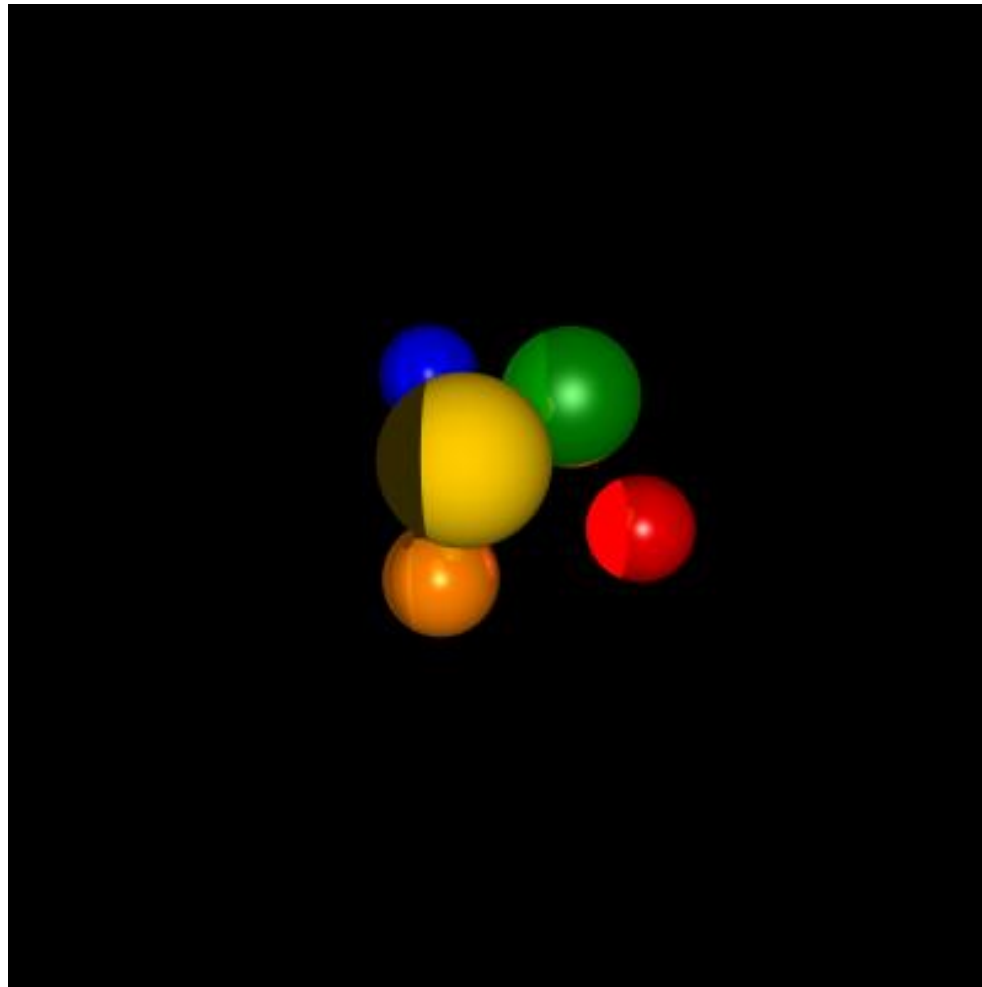
Results (previous years)



Results (previous years)

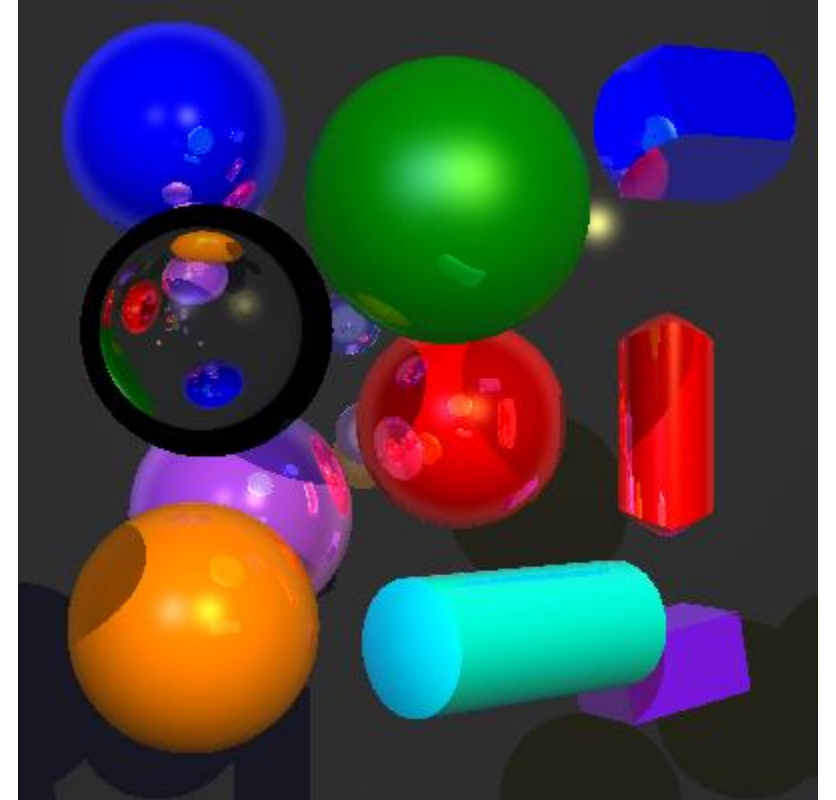


Interesting errors



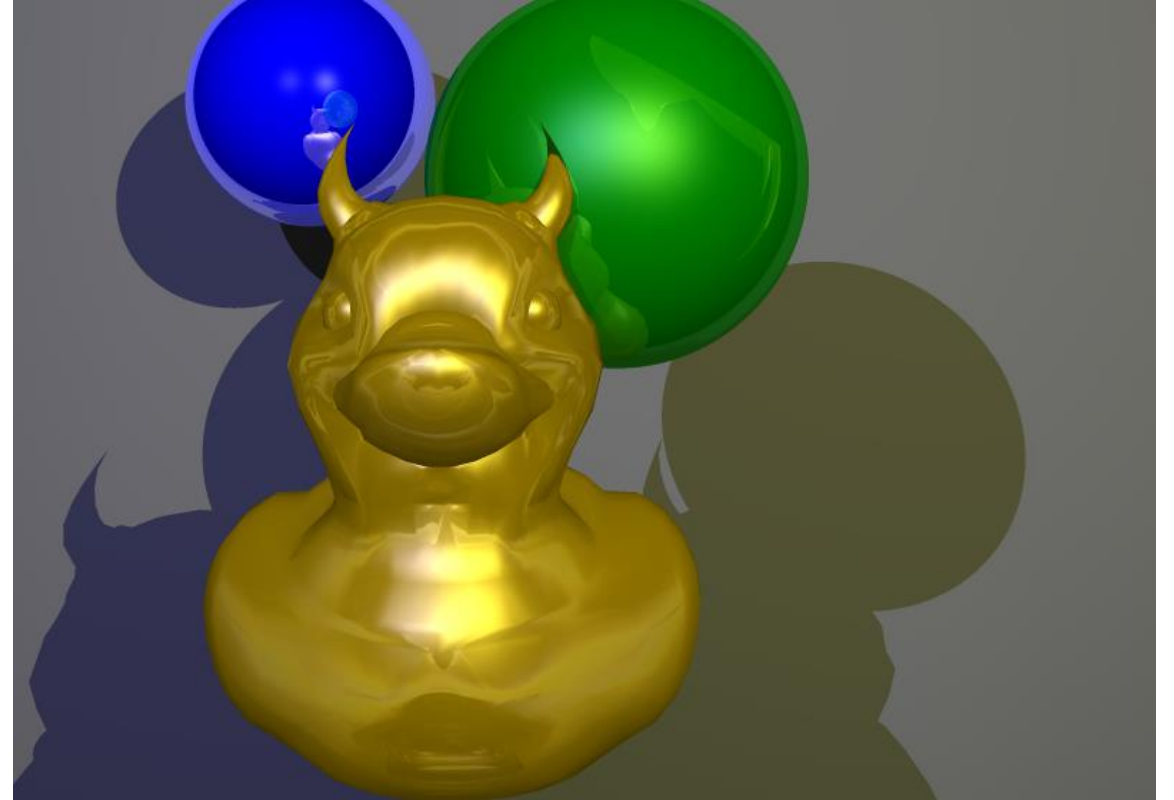
Raytracer: assignment 6

- at least one additional geometry type
 - make sure triangles are part of the list you have implemented



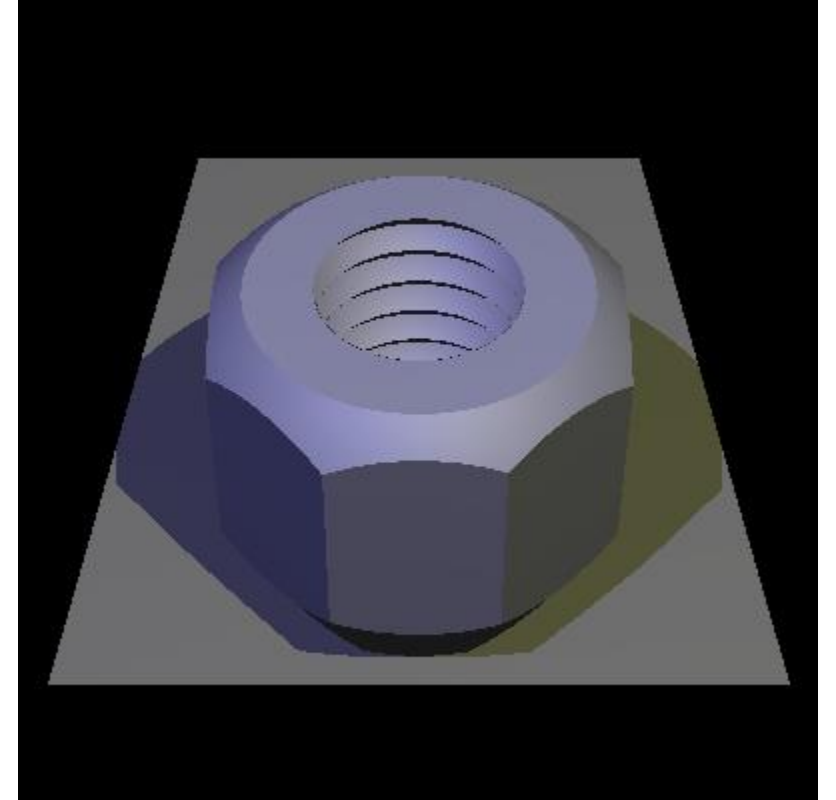
Raytracer: assignment 6

- at least one additional geometry type
 - make sure triangles are part of the list you have implemented
- mesh loading and rendering



Raytracer: assignment 6

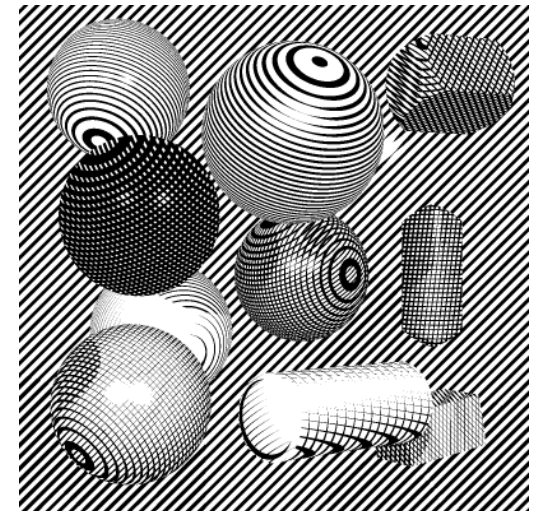
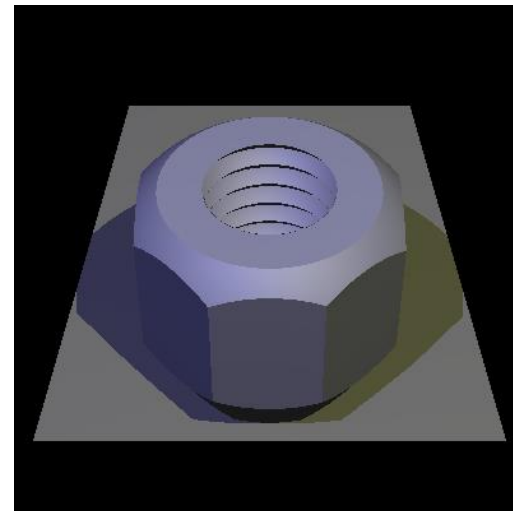
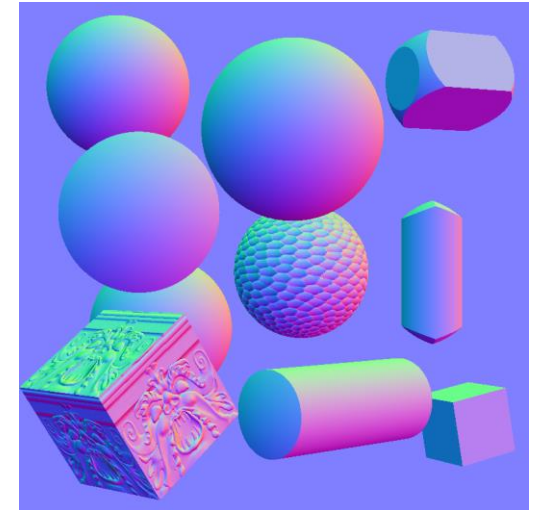
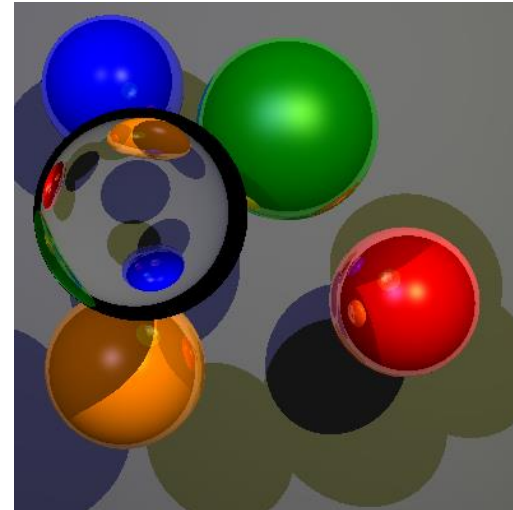
- at least one additional geometry type
 - make sure triangles are part of the list you have implemented
- mesh loading and rendering
- bonus: CSG



Final assignments (10 points each)

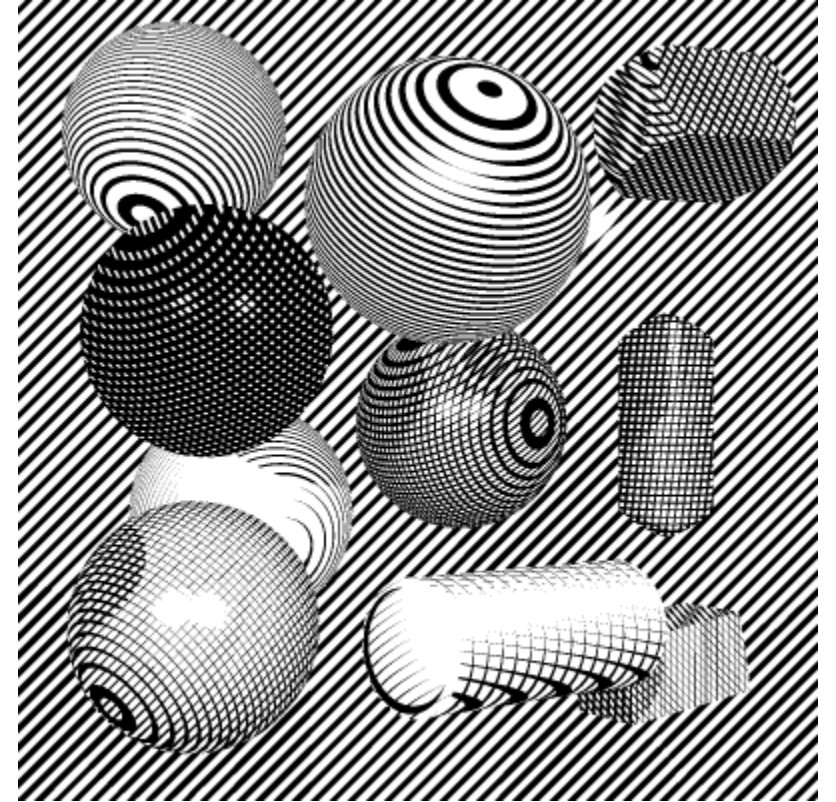
- implement refraction
- implement bump-mapping
- change your implementation to process in parallel to speed-up the raytracing computation

- bonus ideas:
 - still possible



Raytracer: Additional bonus tasks

- Exposure time (motion blur)
- Soft shadows
- Lens flare
- Optimizations (reduction of the number of rays or number of objects to do intersection tests on)
- Parallelization
- Non-Photorealistic Rendering (NPR)



Further meetings

- final lecture + practical session: Feb. 7
- backup teaching slot: Feb. 14
 - presentations of final tasks (if completed) and your bonus
 - nothing fancy, just show off the final tasks and any extras you did
 - few slides with images, discuss what's cool, what went wrong, ...
 - 5–10 minutes per team (tell me if you want more)
 - feedback for class also ok
 - questions if there are any
- exam: on February 21
- final deadline for assignments (final tasks, bonuses): Feb. 26

Presentation: Show off cool results

→ and please send me the best image or two per group for my gallery page

