

Raytracing Project

Features

- Positional light
 - Moving the positional light via keystrokes
 - Turning the positional light on and off
- Attenuation factor being turned on and off via q keystroke
 - Changing attenuation factors with keystrokes
- Spotlight
 - Moving the spotlight via keystrokes
 - Turning the spotlight on and off
 - Alter spotlights fov with keystrokes
 - Alter spotlight direction with keystrokes
- Shadows
- Shapes with all different materials
 - Y aligned cylinder
 - Z aligned cylinder
 - Sphere
 - Plane
 - Y aligned closed cylinder
- Texture on the Y aligned cylinder
- Transparent plane
 - Starts behind objects than moves after hitting p
 - Change direction by hitting s
- Resizing the window
- Y aligned Cone

Pictures



