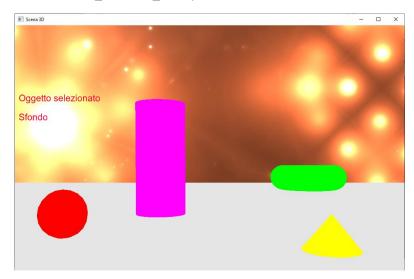
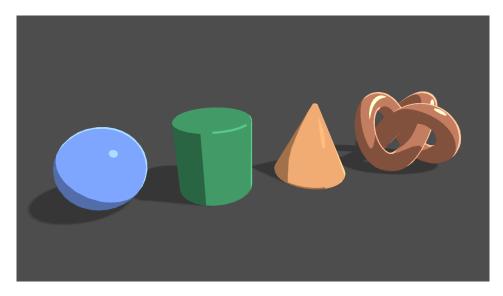
Laboratory Exercises 9





- 1) Implement Phong lighting model and interpolative shading model.
- 2) Implement the Blinn-Phong lighting model with interpolative shading model.
- 3) Implement the lighting model of Phon and Blinn-Phong with the shading model of Phong.
- 4) Implement toon shading: in the fragment shader, give the fragment a color based on the cosine of the angle formed between the normal direction and the light direction:



Example of the effect of toon-shading

- 5) Add another light in the scene.
- 6) Allow the user to select the 3D model with the mouse and to modify the type of shaders, materials.