07 April 2024

Modelling Phone illumination in Blender.

Model in the <u>Lecture - 25</u>. It can be mathematically represented as,

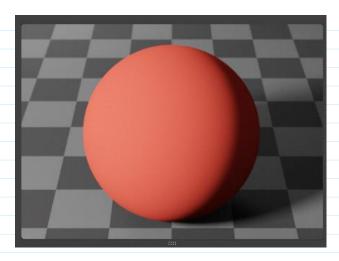
PHONG ILLUMINATION MODEL

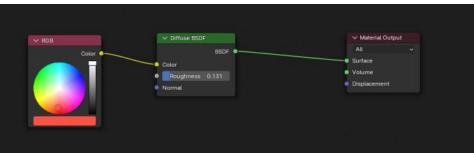
Itotal = ka Ta + ka Te (L.N) + Ks Te (R.V)ⁿ

ambient D'diffuse Brewler

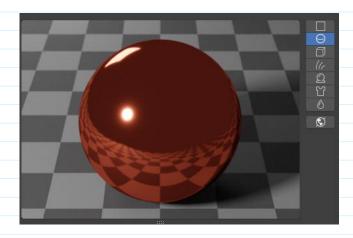
reflection reflection

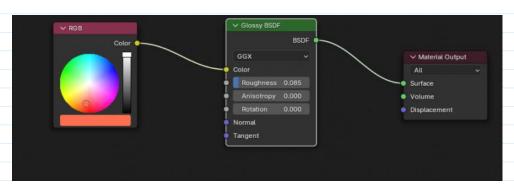
- Today's lab is about adding Shader Geometric Nodes to our objects
 - 1) Download the phong_model. blend file.
 - @ Open it in your blender software.
 - 3) Notice that there are three types of texture on the spheres.
 - (a) Diffux Reflection



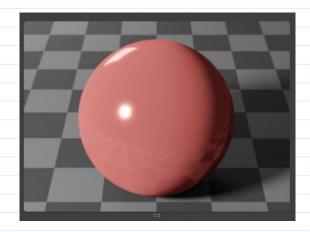


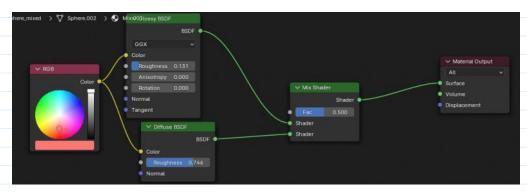
(b) Spe outer heflection





(1) Mix = Specular + Diffuse





Notice how then textures are generated in their Geometric Modes graph.

- 1) Rub node represents ambient reflection. 2) Diffur BSDF -> diffur reflection.
- 3 Spewler BSDF yearler reflection.

Use Phong Illumination en your final project.