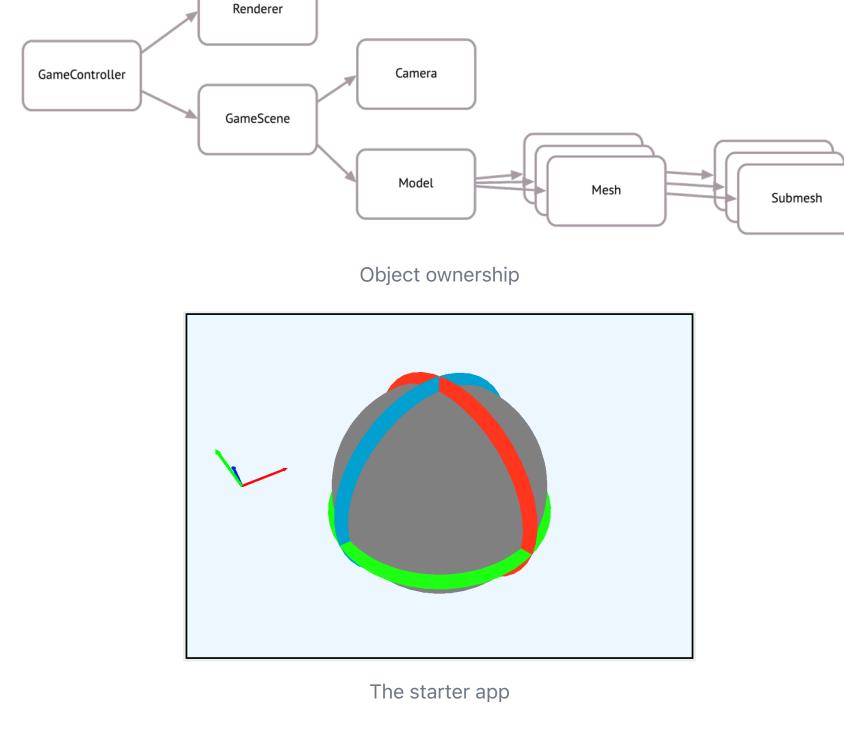
10 Lighting Fundamentals

The Starter Project



1.0

0.0

0.0

Red:

Green:

Blue:

0.5

0.0

0.0

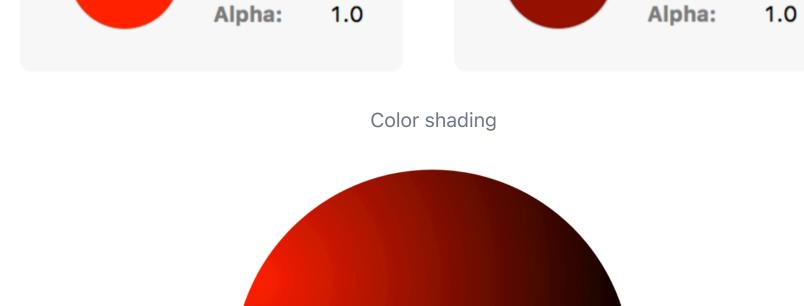
1.0 Alpha:

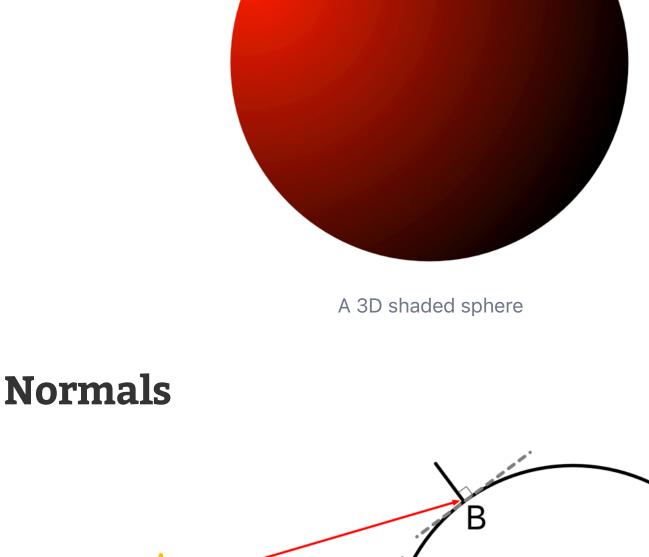
Representing Color

Red:

Green:

Blue:





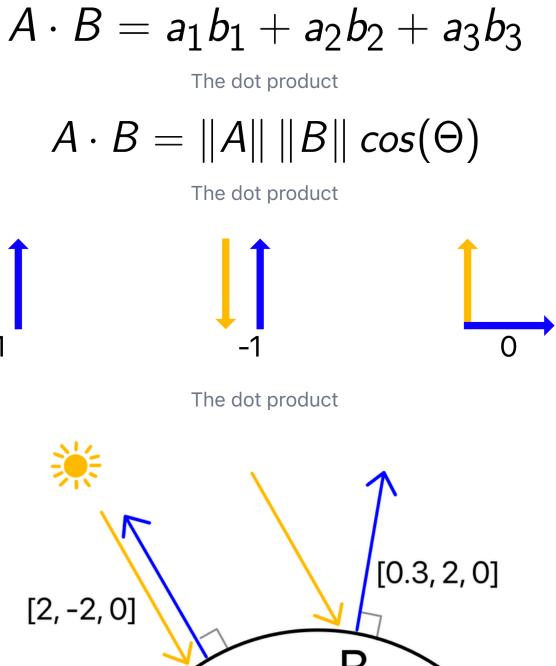
Surface normals on a sphere

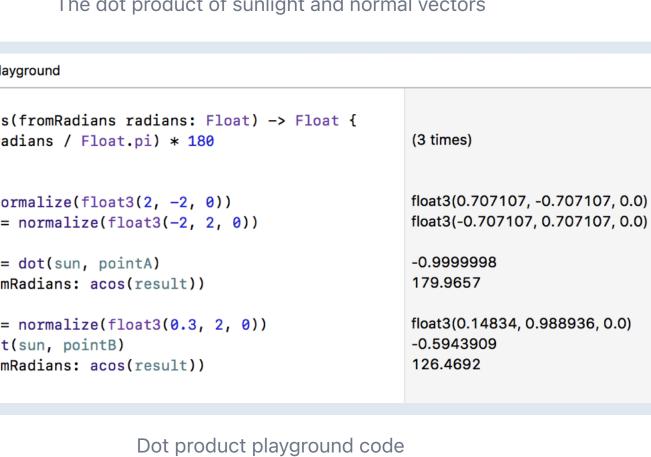
Directional Light

Light Types



Diffuse shading and micro-facets

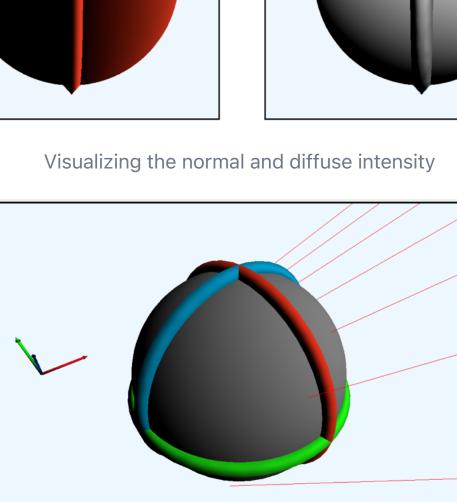




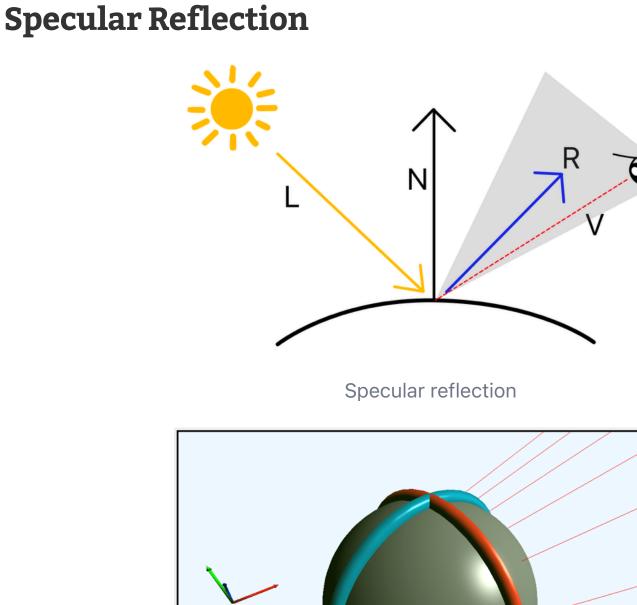
Diffuse shading

No lighting





Ambient lighting

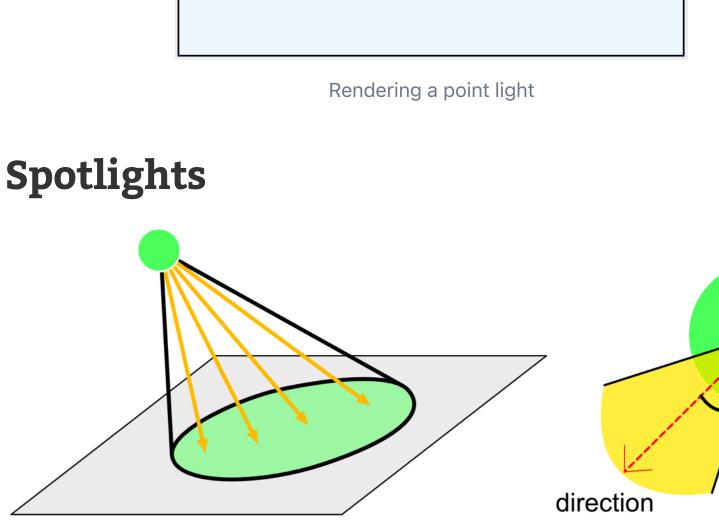


Specular reflection

Point Lights

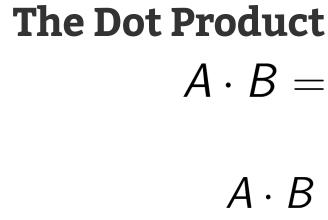
Point light direction

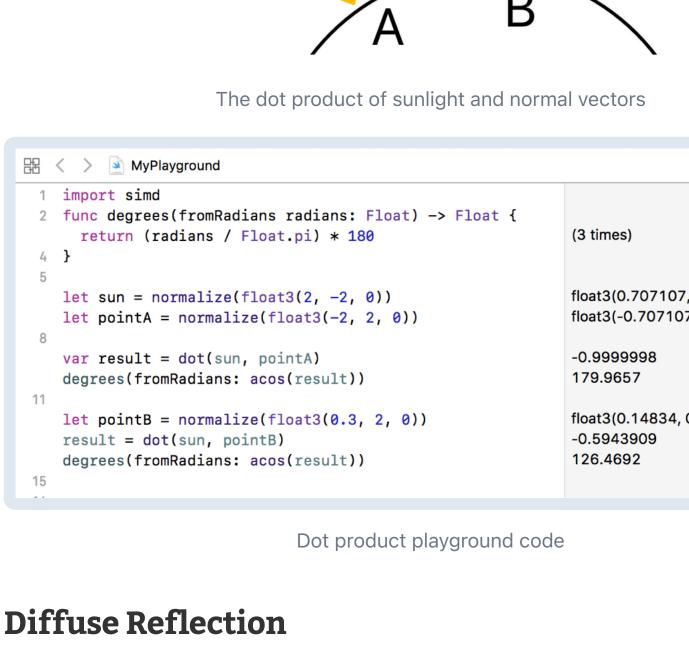
Debugging a point light



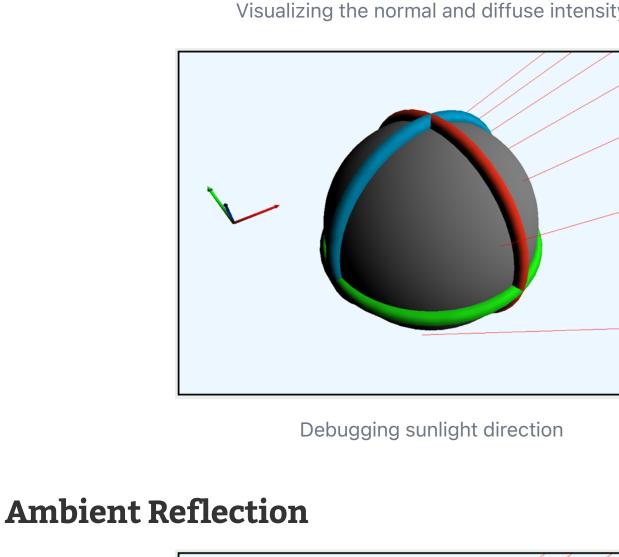
Spotlight angle and attenuation

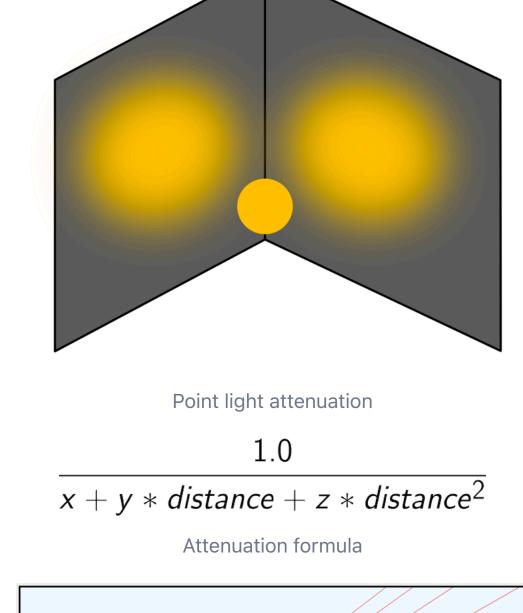
angle





Creating Shared Functions in C++





Rendering a spotlight