29 Advanced Lighting

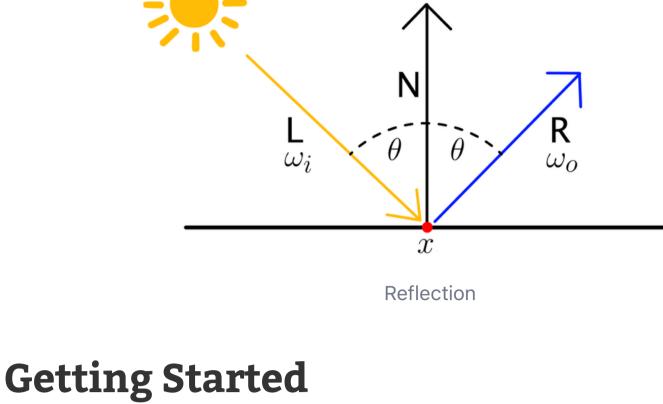


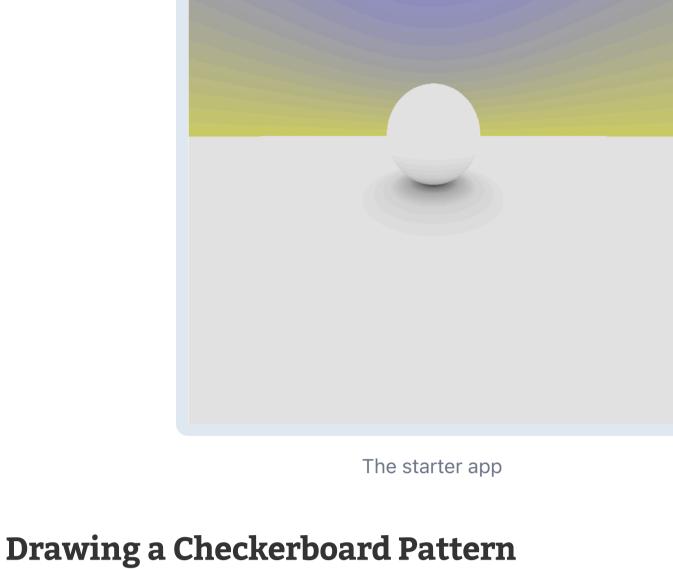
The Rendering Equation

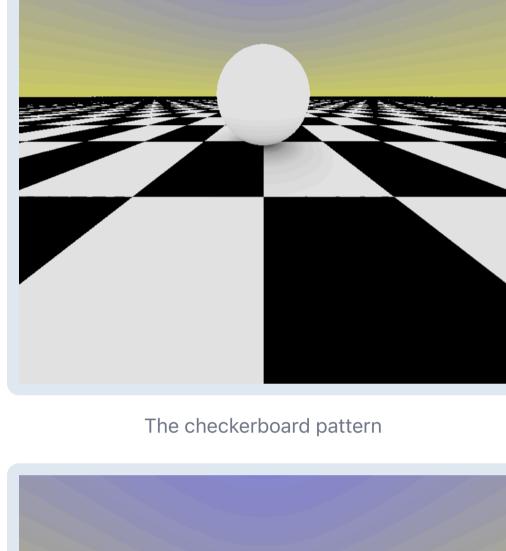
$L_{ m o}(\mathbf{x},\,\omega_{ m o},\,\lambda,\,t)\,=\,L_{e}(\mathbf{x},\,\omega_{ m o},\,\lambda,\,t)\,+\,\int_{\Omega}f_{r}(\mathbf{x},\,\omega_{ m i},\,\omega_{ m o},\,\lambda,\,t)\,L_{ m i}(\mathbf{x},\,\omega_{ m i},\,\lambda,\,t)\,(\omega_{ m i}\,\cdot\,\mathbf{n})\;{ m d}\,\omega_{ m i}$

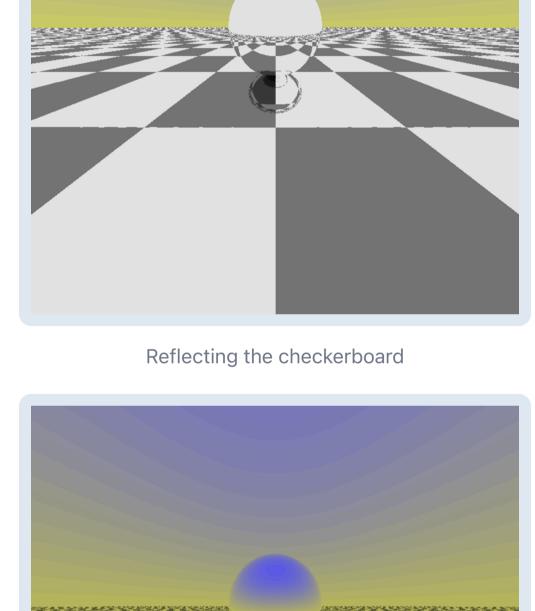
The rendering equation

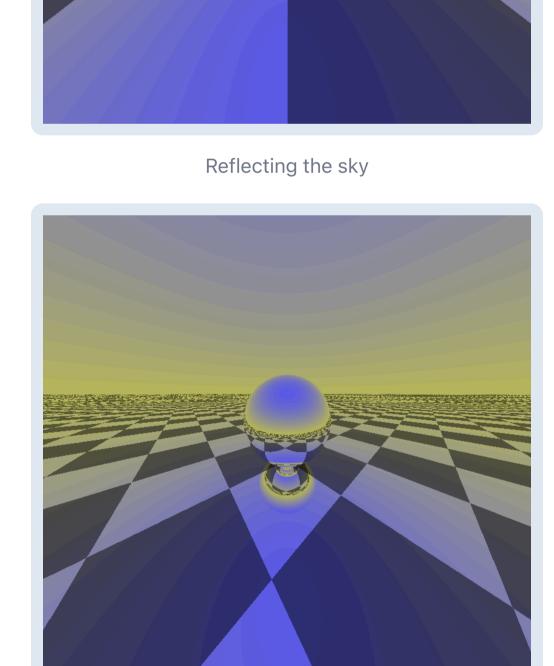
Reflection











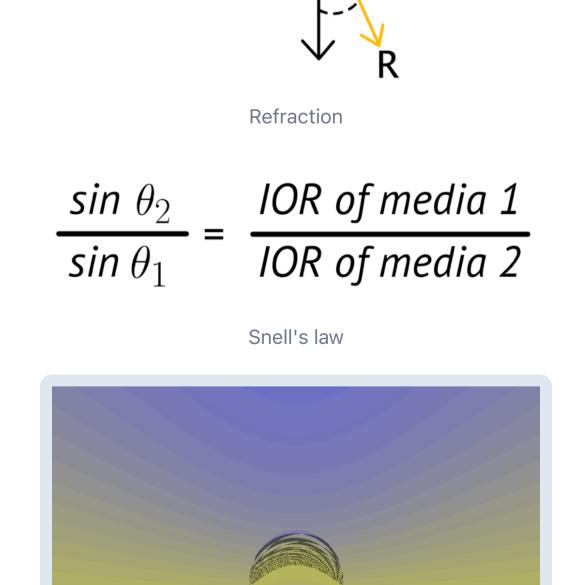
Animated reflections

 θ_1

media 1

media 2

Refraction



Refraction

