Creating More Realistic Lens Effects

Convex Lens Definitions

Concave Lens Definitions

lens.vert – Setup for a Cube Map Texture
Convex Lenses (R1>0, R2>0)

Magnifying glasses and zoom lenses work this way

Some telescopes work this way

Concave Lenses (R1<0, R2<0)

Fisheye lenses work this way

Convex

Concave