

# POV-Ray Photon Permutations — README

## Contents:

- photon\_permutations\_all.csv — 512 permutations with computed effective\_reflection, effective\_refraction, shoot.
- POVRay\_Photon\_Permutations\_All.png — visual chart of two 16×16 grids.
- photon\_permutations\_chart\_all.pov — renderable SDL chart; customize cell size, gap, colors, font, and origins.

## Effective logic:

A channel (reflection/refraction) is effective ON only if the light and the object both have the channel ON and not OFF. Photons are shot only if target=YES and at least one channel is effective.