Improvements on Ray Tracing Path Tracing (Kajiya, 1985) compute Fresnel coefficient RE[0,1] Implementation Generate a , X & [0,1]

J f x < R follow r

otherwise follof t

reight (power Generate a random number decrease veight (power) of the light until we hit a threshold in which case we stop the vay. Materials ("Glossy Transmission") Obtain the perturbed Normal N' using:

\[
\times = \arccos(1-\times_1)^{\gamma_2} \text{B} = 2 \text{T} \times_2
\]

where x, and x2 are random

numbers uniformly distributed in [0,1]



