(2) I will explain the formula by terms: 1) Le (A, x, wo): this part corresponds to the radiance that is being emitted. It depends on x (the point), A ctne light wavelength) and v (the outgoing direction. Hence, it represents all of the possible rays and directions. f(), x, w; wol is the bidirectional reflectance distribution function, which is ori fference For each material depending on how they reflect light. Li (A, x, e) is the incoming radiance i which is the light beam coming from the source.

Exmr) It depends on will crector relating the point and the light source, ama x. r CXMb) source, and x. dwi is the angle in the direction of the ight

However, the integral is computationally expensive and is usually approximated by a Monte Carlo taking some sampling of the directions possible we compute it as a sum. we are aiming at retrieving the whole reflection area (the integral) to compute the reflection.