

optics of light scattering pdf

Introduction. A modern formulation of the Mie solution to the scattering problem on a sphere can be found in many books, e.g., J. A. Stratton's *Electromagnetic Theory*. In this formulation, the incident plane wave, as well as the scattering field, is expanded into radiating spherical vector wave functions. The internal field is expanded into regular spherical vector wave functions.

Mie scattering - Wikipedia

In the field of optics, transparency (also called pellucidity or diaphaneity) is the physical property of allowing light to pass through the material without being scattered. On a macroscopic scale (one where the dimensions investigated are much larger than the wavelength of the photons in question), the photons can be said to follow Snell's Law. ...

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