

Diffraction Shader

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1 Abstract

2 Introduction

3 Previous Work

4 Theory

4.1 formulas

The following formulas have been used in order to perform the derivations

$$\psi_2 = \frac{1ke^{ikR}}{4\pi R}(Fv - p) * \int_S ne^{ikvs} \quad (1)$$

$$L_\lambda(\omega_r) = \int_\Omega BRDF_\lambda(\omega_i, \omega_r) L_\lambda(\omega_i) \cos(\theta_i) d\omega_i \quad (2)$$

4.2	derivation
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6	Experiment
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