

Global Illumination Test Scenes

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Abstract. The global illumination community has discussed having a database of scenes that could be used to compare and validate different global illumination algorithms. We present a set of test scenes for global illumination algorithms and propose that they be the beginning of such a database. These scenes are designed to be as simple as possible and still test a particular aspect of energy transport. The scenes are available on a web site in a variety of formats, along with images and pixel radiance data. We feel that the simplicity and availability of the models will make it easier for the community to use them, and that the field will benefit from a standard set of scenes. Additionally, we discuss classes of models with analytic solutions.