

Optimal Strategy for Connecting Light Paths in Bidirectional Methods for Global Illumination Computation

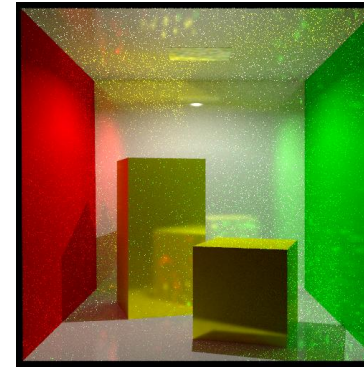
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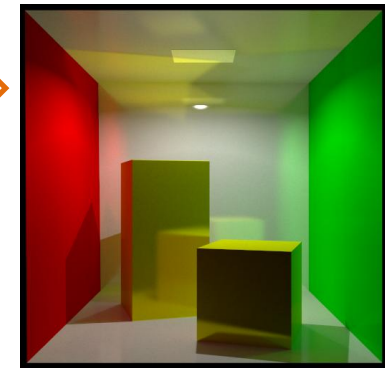
Computer
Graphics
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- New **robust** rendering algorithm
 - Produces photo-realistic images from artificial scenes
- **Robustness:** handle surfaces with arbitrary reflectance characteristics
- Mathematical formulation of the solution

Original method



Our method



Original method (photon mapping)



Our method



Path tracing



512x512, 1 day 3h on 6 cores

320x320, 4 days on 6 cores