SEMINAR

A Reflector Design Problem for a Collimated Source

Tobias Graf Emory University

Abstract: We will discuss the following reflector problem. Given a parallel light beam emitted from a bounded domain in a hyperplane of n+1 dimensional Euclidean space and a receiver surface as well as prescribed in advance intensities for the source domain and the receiver, can we design a reflector surface that redistributes the emitted light accordingly?

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MATHEMATICS AND COMPUTER SCIENCE EMORY UNIVERSITY