DESCRIPTION

This book brings together experts in the field who present material on a number of important and growing topics including lighting, displays, solar concentrators. The first chapter provides an overview of the field of nonimaging and illumination optics. Included in this chapter are terminology, units, definitions, and descriptions of the optical components used in illumination systems. The next two chapters provide material within the theoretical domain, including etendue, etendue squeezing, and the skew invariant. The remaining chapters focus on growing applications.

This entire field of nonimaging optics is an evolving field, and the editor plans to update the technological progress every two to three years. The editor, John Koshel, is one of the most prominent leading experts in this field, and he is the right expert to perform the task.

ABOUT THE AUTHOR

John Koshel (Tucson, AZ), obtained Ph.D in Optics from University of Rochester in 1996. He is currently an adjunct assistant professor at University of Arizona, Optical Sciences Center. He also works as a vice president of optical engineering consulting firm, Photon Engineering, LLC. He frequently chairs at SPIE conferences and provides tutorial on the subject (nonimaging optics). He is a well respected figure in the International optical engineering community publishing numerous peer reviewed papers.
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