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Demonstrational Optics: Part 1: Wave and Geometrical Optics (Pt. 1)

Oleg M. Marchenko, Sergi Kazantsev, Laurentius Windholz

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This volume aims to present improved teaching methods and practical explanations of optical phenomena. An important feature is the inclusion of elaborate pictorial approach to explaining optical phenomena in parallel to a general mathematical description. The modern approach developed here is also used to illustrate many basic phenomena, complimenting the existing literature.

The volume contains a valuable compendium of optical experiments for university, college and senior-school physics teachers. Experiments and modern computer simulations are described within the volume in sufficient detail to allow successful reproduction in a classroom or lecture theatre.

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