Google Drive

Geometrical Optics of Inhomogeneous Media (Springer Series on Wave Phenomena)

Yury A. Kravtsov, Yury I. Orlov

Geometrical Optics of Inhomogeneous Media (Springer Series on Wave Phenomena)

Yury A. Kravtsov, Yury I. Orlov

Geometrical Optics of Inhomogeneous Media (Springer Series on Wave Phenomena) Yury A. Kravtsov, Yury I. Orlov

This monograph is concerned with the fundamentals of up-to-date geo metrical optics treated as an approximate method of wave theory. Geometrical optics has changed dramatically over the last two decades. Primarily, it has acquired a number of novel disciplines: space-time geo metrical optics, the quasi-isotropic approximation, the modern theory of caustics related to catastrophe theory, and perturbation techniques for rays, to name only a few. Another acquisition is the reliable boundaries of appli cability for geometrical optics, based upon the concept of the Fresnel volume for a ray. These recent additions to the field are the focus of dis cussion in the book. We did not attempt to separate study-oriented and illustrative material from that intended for professionals, but rather we spread it throughout the text to facilitate for the reader the mastering of this attractive, intuitively appealing and efficient ray method. In preparing the manuscript we used a set of lecture notes devised for All-Union Schools on Diffraction and Wave Propagation, published in Rus sian. Sections 2.1-4,6 and 10 result from joint efforts of both authors. The other material of the book we wrote separately. I contributed Sects. 2.5,9 and 3.17 and Chap.4; Yu.l. Orlov prepared the rest. Unfortunately, he could not take part in the preparation of the English edition, as he died in 1982 at the age of 41, on the verge of what would have been great achieve ments considering his strong and original talent.

Download and Read Free Online Geometrical Optics of Inhomogeneous Media (Springer Series on Wave Phenomena) Yury A. Kravtsov, Yury I. Orlov

---

Download and Read Online Geometrical Optics of Inhomogeneous Media (Springer Series on Wave Phenomena) Yury A. Kravtsov, Yury I. Orlov #OUFT5HQKAJL

Read Geometrical Optics of Inhomogeneous Media (Springer Series on Wave Phenomena) by Yury A. Kravtsov, Yury I. Orlov for online ebook

Geometrical Optics of Inhomogeneous Media (Springer Series on Wave Phenomena) by Yury A. Kravtsov, Yury I. Orlov Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Geometrical Optics of Inhomogeneous Media (Springer Series on Wave Phenomena) by Yury A. Kravtsov, Yury I. Orlov books to read online.

Online Geometrical Optics of Inhomogeneous Media (Springer Series on Wave Phenomena) by Yury A. Kravtsov, Yury I. Orlov ebook PDF download

Geometrical Optics of Inhomogeneous Media (Springer Series on Wave Phenomena) by Yury A. Kravtsov, Yury I. Orlov Doc

Geometrical Optics of Inhomogeneous Media (Springer Series on Wave Phenomena) by Yury A. Kravtsov, Yury I. Orlov Mobipocket

Geometrical Optics of Inhomogeneous Media (Springer Series on Wave Phenomena) by Yury A. Kravtsov, Yury I. Orlov EPub