



Special Issue on Geometrical Optics

Call for Papers

Geometrical Optics is a foundational sub-discipline of classical optics that abstracts light propagation as the motion of discrete light rays, which are defined as trajectories perpendicular to the corresponding optical wavefronts and collinear with the local wave vector. Rooted rigorously in Fermat's principle — which postulates that the path a light ray travels between two points is the one that can be traversed in the minimum time — this field systematically investigates the laws governing light propagation in homogeneous and inhomogeneous media, and further establishes the theoretical framework for analyzing the imaging performance and basic properties of various optical systems. The goal of this special issue is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in this area of **Geometrical Optics**.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Geometrical Optics**. In this special issue, potential topics include, but are not limited to:

- Fundamental Propagation Laws of Light Rays
- Paraxial Optics and Gaussian Imaging Theory
- Ray Tracing and Optical System Matrix Methods
- Optical Aberration Theory and Correction Technology
- Optical Component Characterization and Performance Measurement
- Applied Geometrical Optics for Engineering Systems
- Anisotropic Medium and Crystal Optics

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue - Geometrical Optics**” should be chosen during your submission.

According to the following timetable:

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