



WEBINARS

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Ray Optics Simulations

Tuesday, November 2, 2021 2:00 PM - 3:00 PM EDT

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Presented by



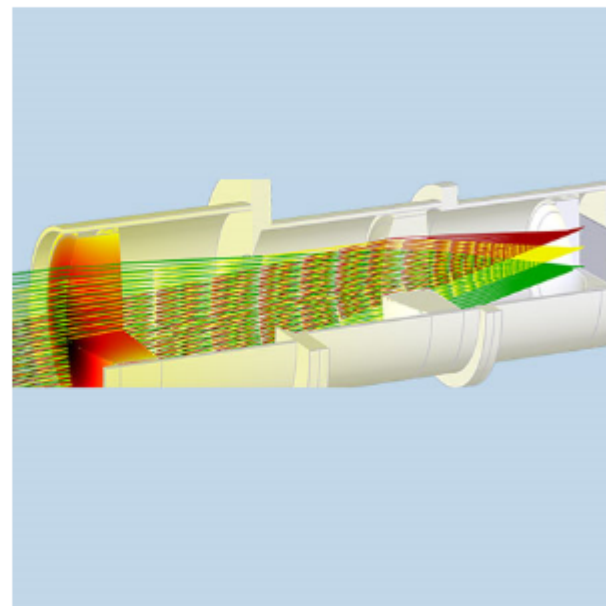
.: About This Webinar

Tune into this webinar to learn about optical ray tracing using the COMSOL Multiphysics® software.

This presentation includes a live demo in the software. The demo shows how to create a fully parameterized geometry of a typical lens system, trace rays through the system, and post-process the results. The presenter also elaborates on more specialized ray features, such as the analysis of ray intensity and polarization. Finally, they explain how the Ray Optics Module, an add-on product to COMSOL Multiphysics®, can be combined with structural and thermal simulation for highly accurate structural-thermal-optical performance (STOP) analysis.

Questions will be taken throughout the webinar and at the end during a live Q&A session.

Pictured: An example of a thermal optical performance simulation created in COMSOL Multiphysics®. Courtesy of COMSOL.



Who should attend:

This webinar is intended for engineers and researchers who: design or use devices such as laser focusing systems, spectrometers, cameras, and telescopes; manipulate light with prisms, lenses, beam splitters, or gratings; design devices to redirect and focus solar radiation; and/or must consider thermal or structural phenomena and their effects on optical performance.

About the presenter:

Christopher Boucher is the technical product manager for the Particle Tracing Module, Ray Optics Module, and Molecular Flow Module at COMSOL Inc. He received his bachelor's degree in aerospace engineering and physics from Worcester Polytechnic Institute (WPI) before joining COMSOL in 2012.

About COMSOL Inc.:

COMSOL is a global provider of software solutions for multiphysics modeling. Its COMSOL Multiphysics® product is an integrated software environment for creating physics-based models and simulation apps. Add-on products expand the simulation platform for electrical, mechanical, fluid flow, and chemical applications. Interfacing tools enable the integration of COMSOL Multiphysics® simulations with all major technical computing and CAD tools on the CAE market. Simulation experts rely on the COMSOL Server product to deploy apps to their design teams, manufacturing departments, test laboratories, and customers throughout the world.

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.: Mark Your Calendar

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Mozilla Firefox® (most recent 2 versions)

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