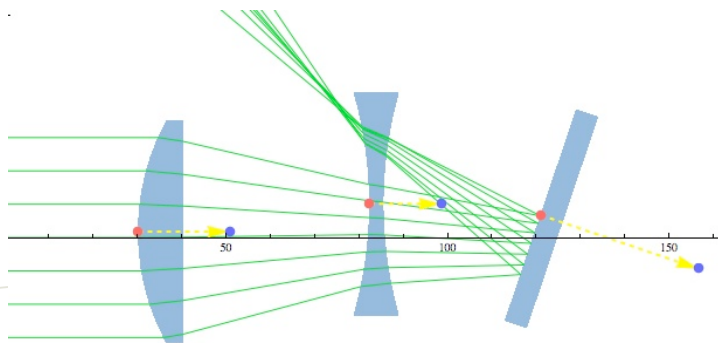


ADDRESSING THE OPTICAL DESIGN AND ANALYSIS NEEDS OF CORPORATE, BUSINESS, EDUCATIONAL, GOVERNMENTAL AND INDIVIDUAL USERS.



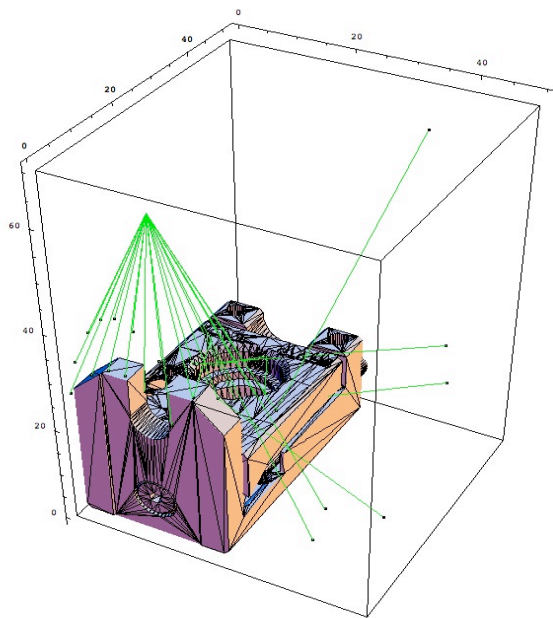
With Optica3, you can use Mathematica 6 locator buttons to interactively move lens elements.

Optica News

We are now releasing our premier optical design package, **Optica3**. **Optica3** has all the feature set of **Rayica/Wavica** plus the new **ManipulateSystem** function and the ability to import CAD models into your optical systems. The **ManipulateSystem** function allows users to create wonderful custom interactive interfaces that can run as standalones under **Mathematica 6** or the free Wolfram Research **Mathematica 6 Player**.

We had a wonderful time at the 2007 Wolfram Technology Conference that took place in Champaign IL. The presentations were great! Donald and Ann gave a talk on the dynamic interactivity of Optica3 that was well received.

Happy New Year!



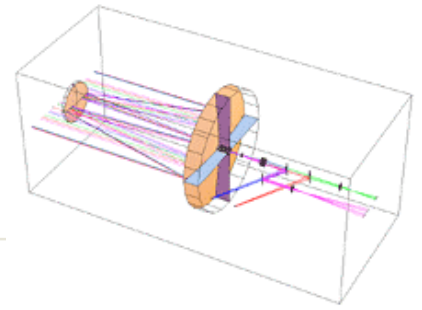
SPIE Photonics West San Jose, California Jan 19-22, 2008

Donald Barnhart will be attending SPIE Photonics West in San Jose, California from Jan 19-22 2008, leaving Jan23. He will be available to talk with users and other interested parties most of the day on Tuesday, Jan 22. He would love to demonstrate the dynamic interactive feature set of the new Optics3 release along with CAD importing features. We are too late to make it into the program guide, but will be sharing a booth with Fresnel Technologies #5027 and as a backup, Del Mar Photonics (laser makers) at table #3034 Donald can be reached by cell phone at 217-369-5993 and will be staying at the Fairmont Hotel.

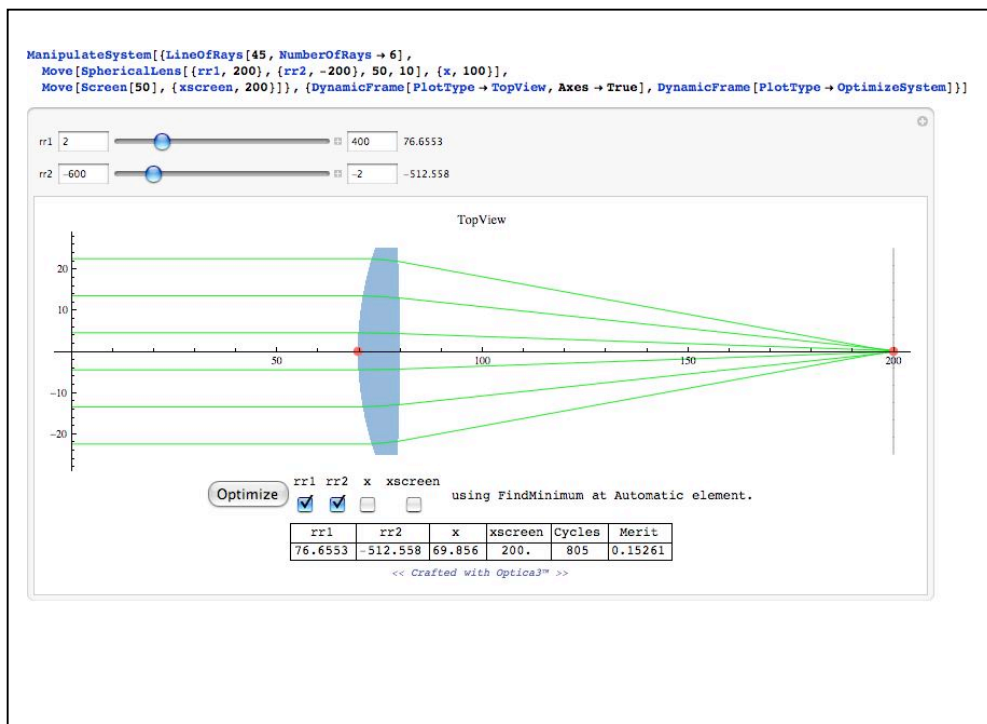


Notes from the Developer

Donald Barnhart, Ph.D. – Optica Software Lead Developer
donald@opticasoftware.com



*Optica3*TM can be used to optimize and manipulate optical set-ups. First we assign symbolic values to accompany each numeric parameter that you would like to manipulate with sliders or locator buttons. In this example, one can interactively change the radius of curvatures of the lens and move the lens and the screen around using locator buttons. The symbolic parameters are used in the optimization procedure by specifying an additional optimization plot type. This is a very basic



User Testimonial for Tech Support/Consulting

“Thank you so much for the work you did. It is a great pleasure to see that an experienced developer like you is able to write such a compact code to solve the (scientific) problems of others. As soon as I got your mail I have "played around" with the "Stand Alone Manipulate Model". At the moment I gather questions that I still like to ask. When I am ready with that I will phone you: I try tomorrow 12:00 your time”

Rob G.L. van der Heijde PhD
Associate Professor, Physics and Medical Technology
The Netherlands

CONTACT US:

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donald@opticasoftware.com

Ann Williamson, Software Developer
annw@opticasoftware.com

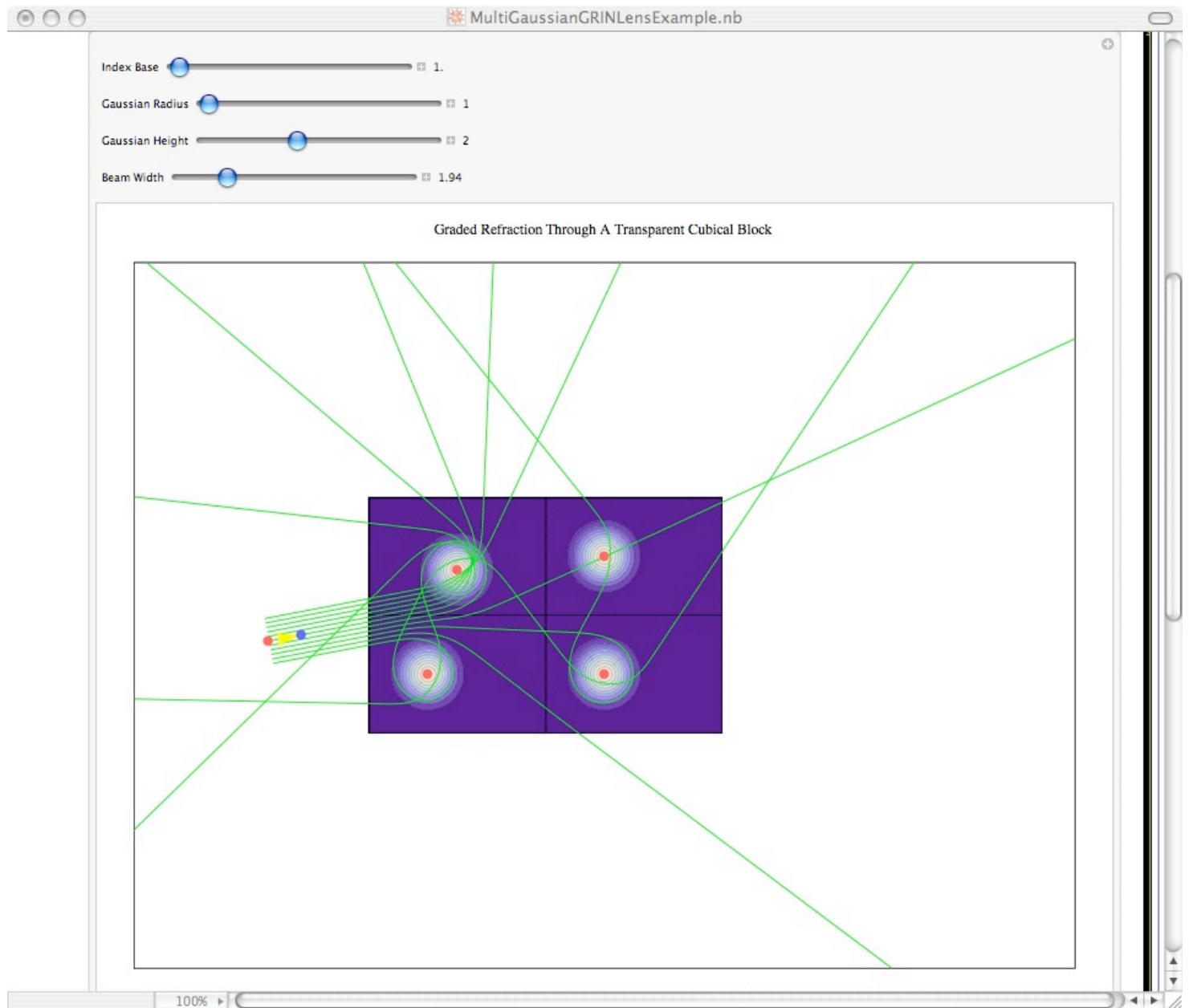
Support/Sales
support@opticasoftware.com

Website
www.opticasoftware.com

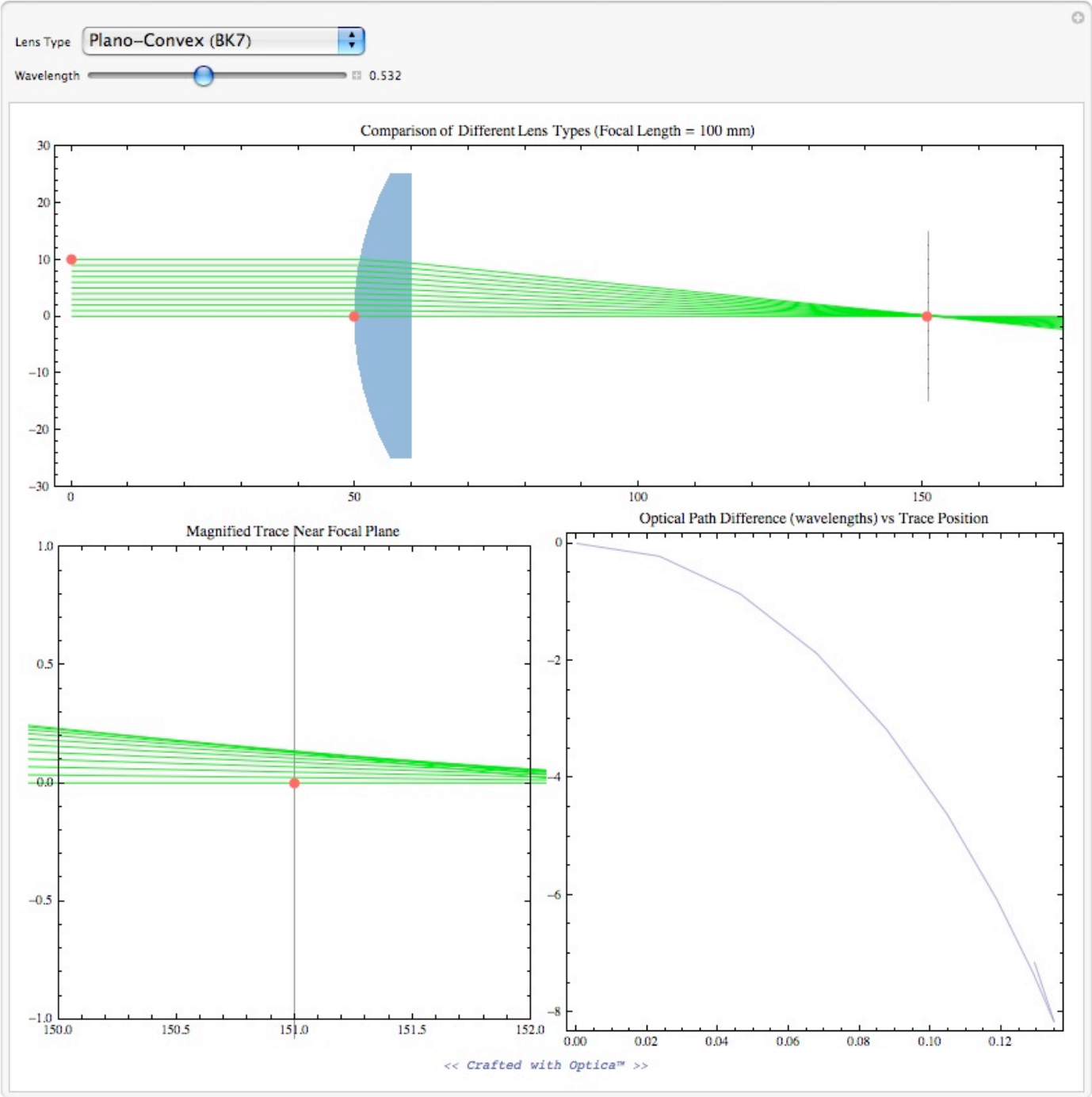
Phone
217.693.4463

Fax
217.328.9692

You can custom create your own interfaces with Optica3. Many of these can run standalone using the free Mathematica6 player product.



You can create custom interfaces containing multiple graphics.



You can create lenses of any shape, like this water droplet example.

