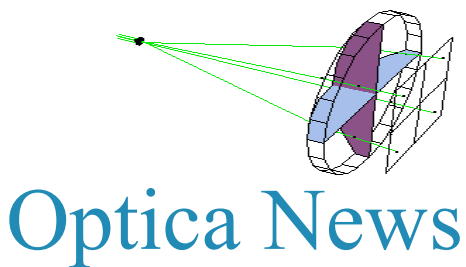
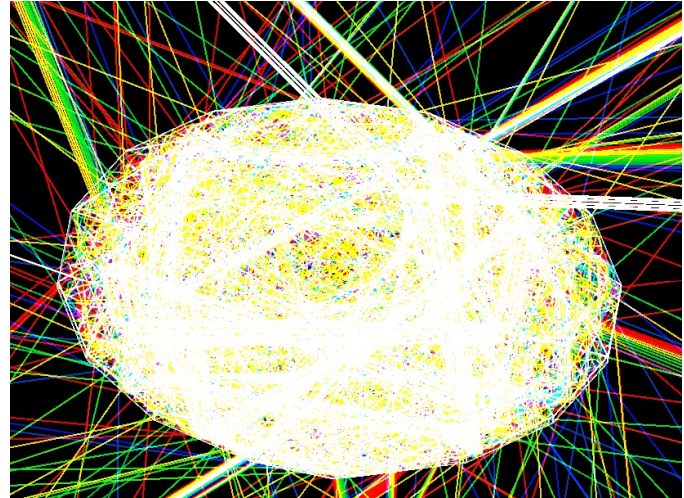


ADDRESSING THE OPTICAL DESIGN AND ANALYSIS NEEDS OF CORPORATE, BUSINESS, EDUCATIONAL, GOVERNMENTAL AND INDIVIDUAL USERS.

DIAMOND MODEL USING OPTICA3



Optica News

Optica Software went to the CLEO Laser Science to Photonic Applications in MAY 2011 at the Baltimore Convention Center. Thank you for stopping by our booth! Donald and Lon had a great time at the show!

We will also be talking at the Wolfram Technology Conference 2011, Oct 19-21 in Champaign, Illinois. Let us know if you are going to this conference and also if you are interested in Optica3 training. For more details see <http://www.wolfram.com/events/technology-conference-2011/>

Our latest build date for Optica3 was June 26, 2011 version 3.8.2 Some new functions recently added include ProjectImage, DrillHole, CombineSurfaces and MeldSurfaces. You can find these examples in the Optica3 documentation under WorkingExampes -> Projecting Images and WorkingExamples -> Other Examples Some changes were also made to ManipulateSystem to work better with Mathematica8 and in Zemax importing.

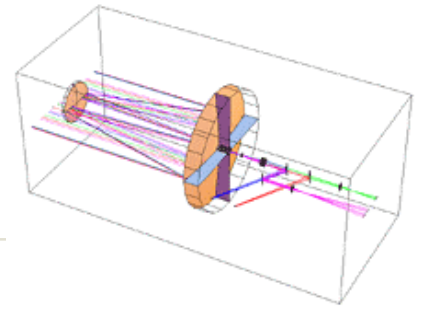
Optica3 Annual Support Plan

Users needing to renew their support plans should contact us. The latest Optica3 build date was June 26, 2011. *Rayica/Wavica* users can upgrade to **Optica3** by renewing their support plan. We also have less expensive options for *Rayica* users wishing to upgrade to *Optica3*. Please contact us at support@opticasoftware.com



Notes from the Developer

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



Q/A:

Parallel Processing in Optica3

Thanks to parallel processing available in Mathematica 7 and above, users can run their TurboPlot and Manipulate functions using multiple computer processing nodes. It is easy to use. You the set the option EmbedRays -> True and NumberOfNodes to the nodes requested and available on your computer.

TurboTrace[

```
{LineOfRays[30, NumberOfRays -> 10000],  
Move[PlanoConvexLens[{f, 100}, 50, 10], 50],  
Boundary[200]}, PlotType -> TopView, EmbedRays -> True, NumberOfNodes -> 2]
```



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