

SYNOPSYS™ Lens Design Software

**Fast, powerful program written by an expert lens designer.
Infusing optics knowledge with fast numerical algorithms, riding on the
computational power offered by modern technology.**

Lens Design

- Sequential raytrace
- Athermal Design
- Aspheric Design
- Freeform Optics
- Multiconfigurations

Optimization

- PSD Optimization
- Simulated annealing
- Ghost Control in Optimization
- Narcissus control in optimization
- MTF optimization

Automatic Design Search

- Design search for fixed focus system (DSEARCH)
- Glass Search (GSEARCH)
- Automatic Aspheric Insertion
- Automatic Element Insertion
- Automatic Element Deletion

Perpetual License
at a competitive rate
Free Trial Available

Essential Tool for Optical Design

"I have used six different optical design programs;
yours has won the competition."

- R.W., Massachusetts

SYNOPSYS™ Lens Design Software



Feature List



Lens Design

Aspheric Design
Automatic Aspheric Insertion
Automatic Element Deletion
Automatic Element Insertion
Diffraction Optics
Diffraction Propagation
Element and System Drawings
Freeform Optics
Ghost Control in Optimization
Ghost Image Analysis
Glass Type Search
Global Search
Global ZOOM Search
Image Dissection
Image Quality
Image Simulation
Multiconfigurations
Narcissus Control in Optimization
Nonsequential Trace
Optimization (PSD and Downhill Simplex)
Polarization
Sequential Raytrace
Simulated Annealing
Superachromat Glass Search
Thermal Analysis
Tolerancing
Vector Diffraction
Zoom CAM Curves
Zoom Slider

Illumination Design and Analysis

Illumination Pattern in Far Field
Illumination Source Array
Lambertian Sources

CAD Integration

Export to STP

Data Libraries

Coating Catalog
GRIN Materials
Materials Catalog
Prism Library
Spectrum Data
Testplate Lists
Vendor Lens Catalog

SYNOPSYS™ is powerful and extensive.

- Constant Development and updates, many features suggested by users
- Comprehensive feature set
- Cost Effective

To request a free trial, contact
info@asdoptics.com