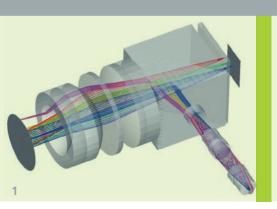
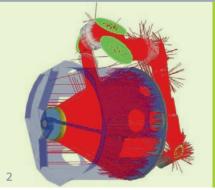
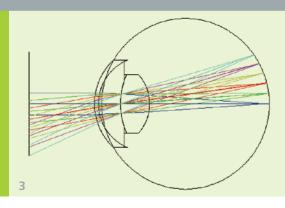


FRAUNHOFER INSTITUTE FOR APPLIED OPTICS AND PRECISION ENGINEERING IOF







- 1 OLED ocular with integrated eye tracking system.
- 2 Analysis of scattered and disturbed light at a Cassegrain telescope.
- 3 Simulation of the optical properties of the eye.

DESIGN OF OPTICAL COMPONENTS AND SYSTEMS

Fraunhofer Institute for Applied Optics and Precision Engineering IOF

Albert-Einstein-Straße 7 07745 Jena

Director

Prof. Dr. Andreas Tünnermann

Head of Business Unit Photonic Sensors and Measuring Systems Prof. Dr. Gunther Notni

Contact

Constanze Pradarutti Phone +49 3641 807-252 constanze.pradarutti@iof.fraunhofer.de

www.iof.fraunhofer.de

Optical design – our competences

- Conception of complex and specially adapted optical systems and system developments
- Design and assessment
- Simulation of optical functions
- Raytracing and wave optics design
- Spectral regions: EUV VIS IR THz
- Propagation of ultrashort pulses
- Analysis of scattered and stray light
- Tolerancing

Optical design software

Design, simulation and analysis of optical components and systems utilizing the software programs:

- ZEMAX
- ASAP
- OSLOCode V
- SPEOS

Applications

- Projection lenses
- Camera lenses
- Illumination systems
- Head up systems
- Spectrometers
- Sensors
- Lighting engineering
- Ophthalmological devices
- Physiological optics
- Telescopes
- Measuring systems
- Optical systems with microdisplays

and much more ...

System realization

- Prototype assembly, production
- Functional test and assessment
- System integration