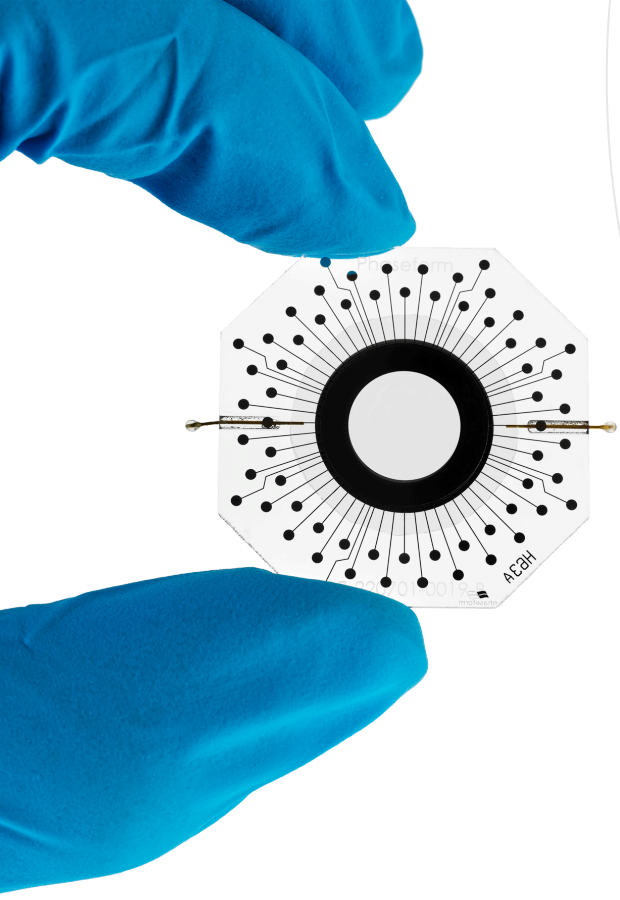
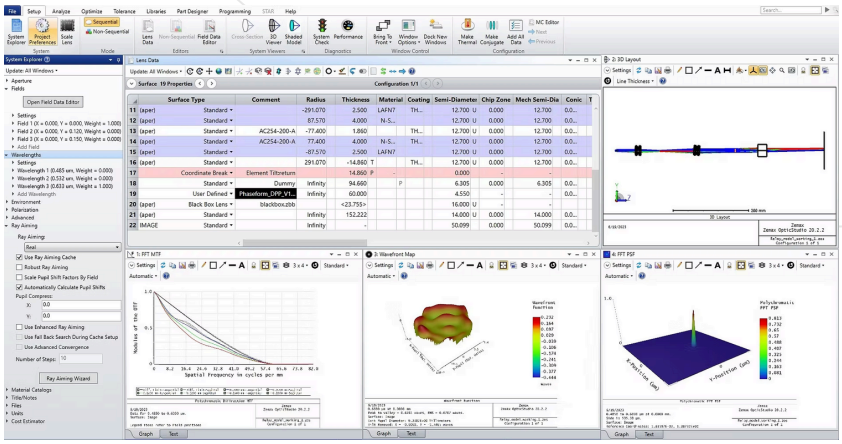


DPP DIGITAL MODEL

Using this model, you can analyze and optimize the effect of the phase modulation introduced by the DPP on various optical parameters, such as wavefront aberrations, beam shaping, and adaptive optics applications. This integration between DPP and ray-tracing simulation allows you to explore, refine, and perfect your optical designs in a virtual environment, significantly reducing the need for costly physical prototyping.

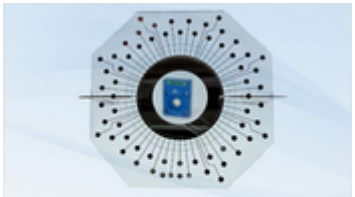


KEY FEATURES

- Dynamic-link library (DLL) to be imported into the Zemax OpticStudio editor environment
- Based on the empirically measured characteristics and responses of a real DPP
- Incorporates performance boundary conditions of DPP
- Beam diameter range between 6.0 mm to 10 mm
- Choice of optimization in Zernike (up to 36 modes) or Voltage space (63 electrodes)
- Calculates the corresponding optimized voltage values which may be applied in-situ

REFERENCES:

Problem while displaying link...
Click here to visit the page.



A precise digital model of a DPP for use in Ansys Zemax OpticStudio

Deformable Phase Plates are optofluidic wavefront modulators. A precise digital model for use in OpticStudio gives early insights into this technology.

Development Partner:
Photonics Precision Engineering optical design firm in Jena. Germany. Specializes on industrial optical design with senior optical experts from the Jena / Zeiss / Jenoptik ecosystem

CONTACT US

Phaseform GmbH
Georges-Köhler-Allee 302
79110 Freiburg i.B.
Germany

www.phaseform.com
info@phaseform.com
+49 761 216 0800 0

phaseform