

50 mm

Layout

17-08-2025  
Total Axial Length: 178.75462 mm

Zemax  
Ansys Zemax OpticStudio 2025 R1.00

LENS.zmx  
Configuration 1 of 1

☒

+

0.486133

☒

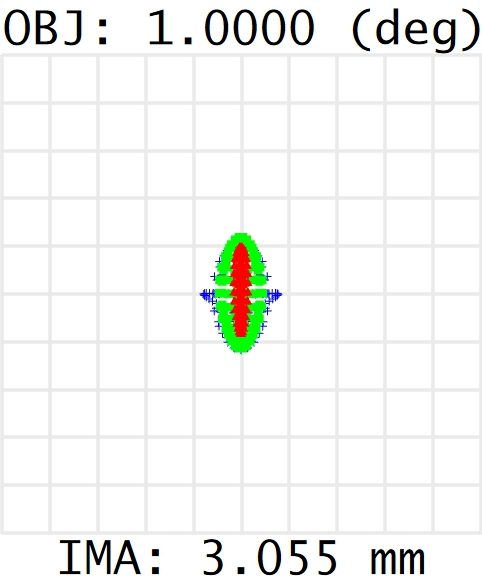
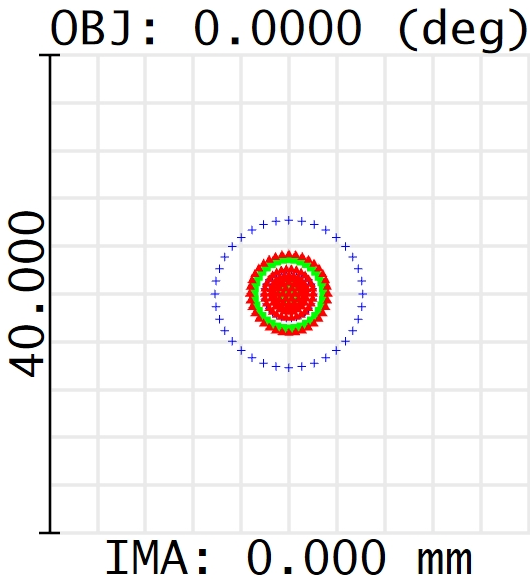
■

0.587562

☒

▲

0.656273

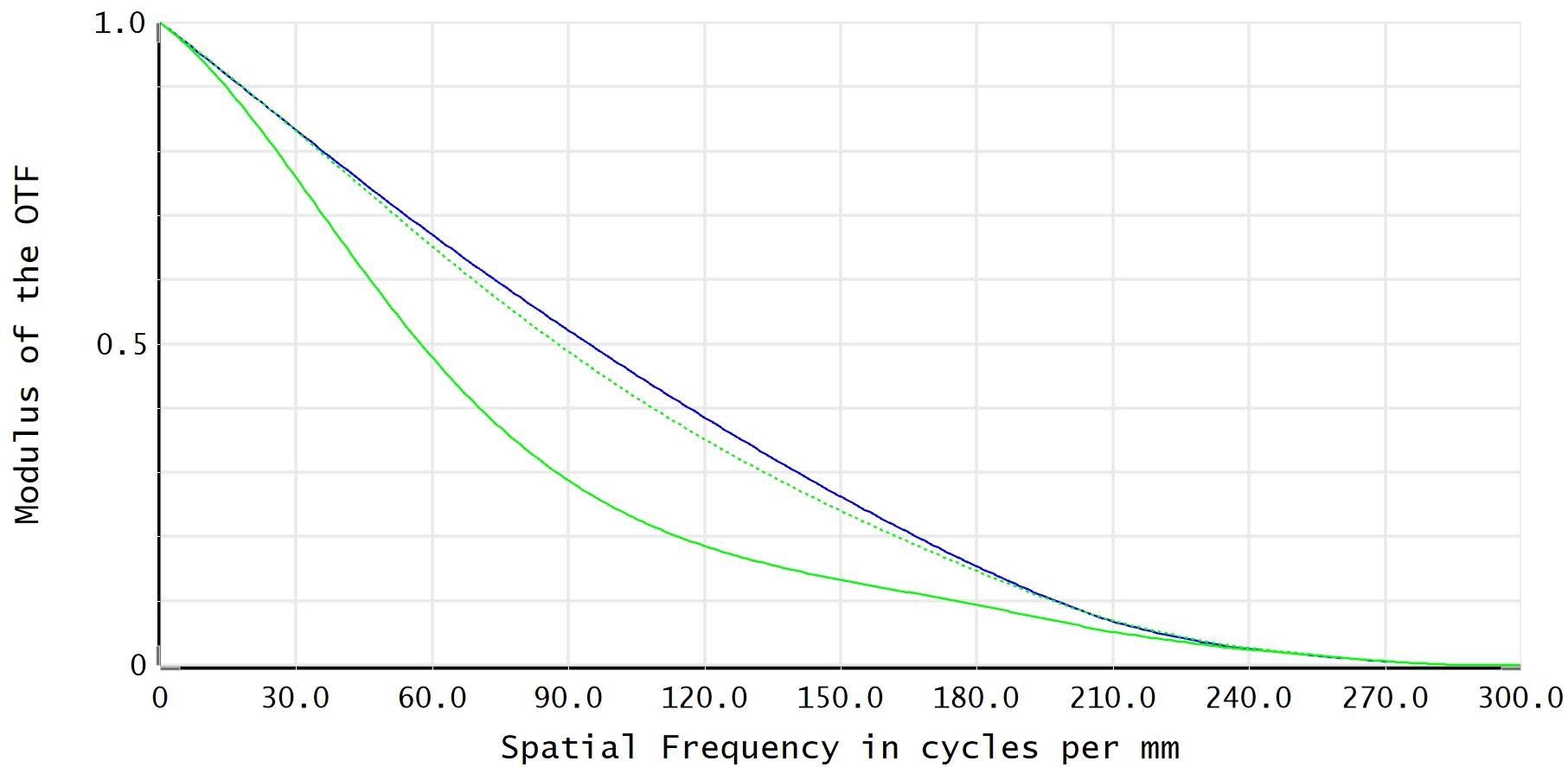


Surface: IMA

Spot Diagram

17-08-2025			
Units are $\mu\text{m}$ . Legend items refer to Wavelengths			
Field	:	1	2
RMS radius	:	2.542	2.652
GEO radius	:	6.176	4.741
Scale bar	:	40.000	Reference : Chief Ray

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LENS.zmx
Configuration 1 of 1



☒ — 0.0000 (deg)-Tangential ☒ ... 0.0000 (deg)-Sagittal ☒ — 1.0000 (deg)-Tangential ☒ ... 1.0000 (deg)-Sagittal

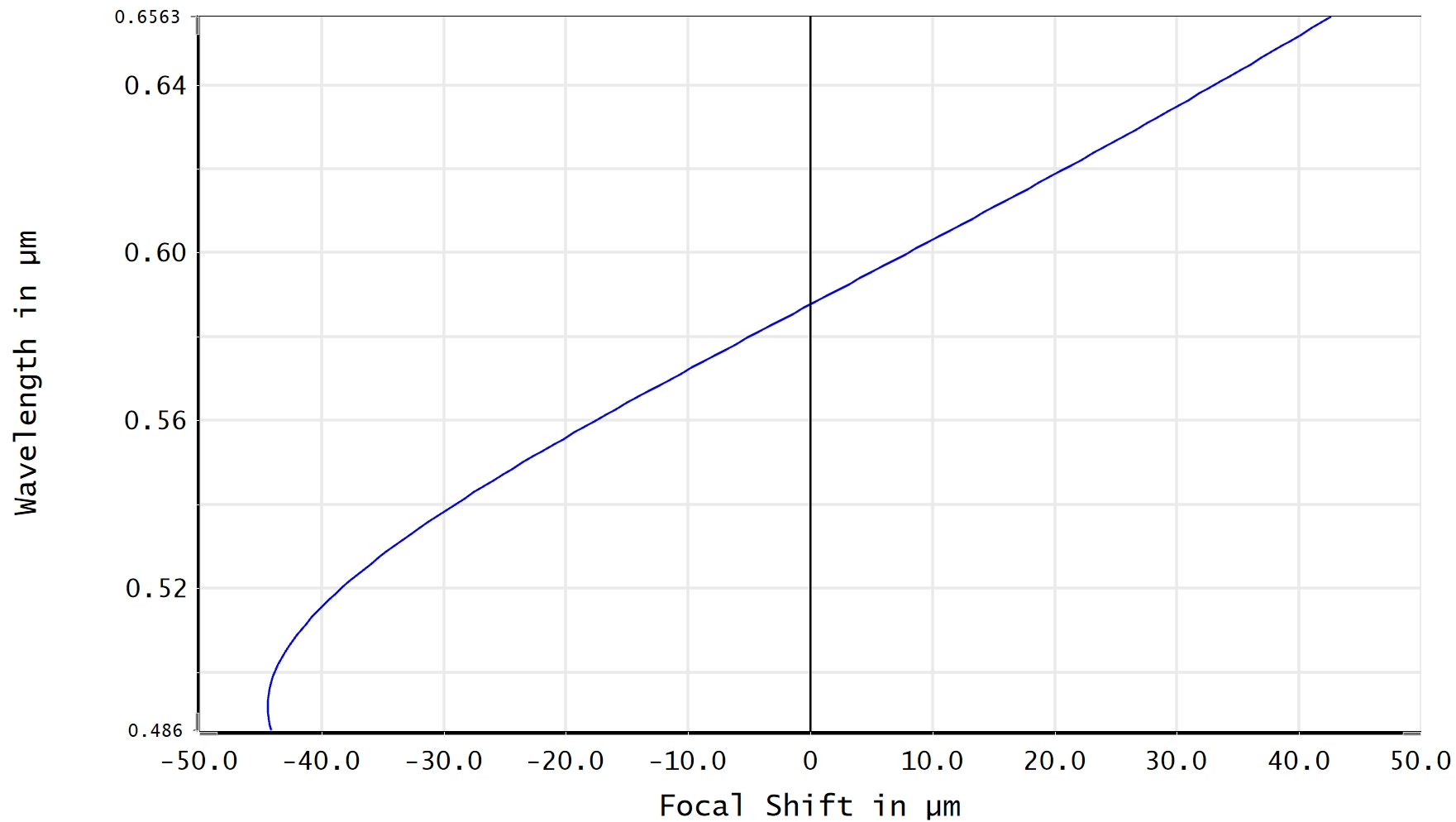
### Polychromatic Diffraction MTF

17-08-2025  
Data for 0.4861 to 0.6563  $\mu\text{m}$ .  
Surface: Image

Legend items refer to Field positions

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achDoubletLENS.zmx  
Configuration 1 of 1



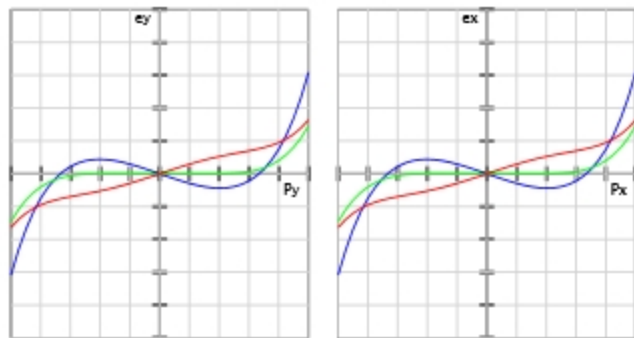
### Chromatic Focal Shift

17-08-2025  
Maximum Focal Shift Range: 87.0601  $\mu\text{m}$   
Diffraction Limited Range: 115.220  $\mu\text{m}$   
Pupil Zone: 0.0000

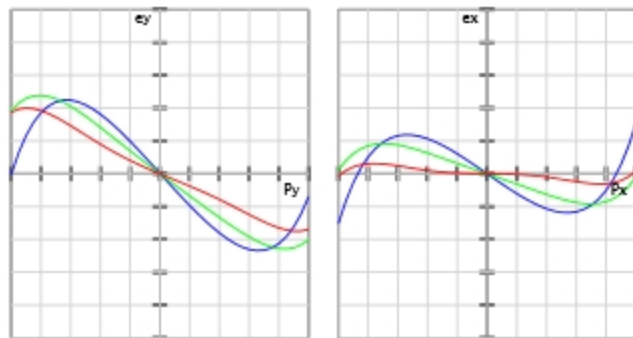
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Configuration 1 of 1

OBJ: 0.0000 (deg)



OBJ: 1.0000 (deg)



## Transverse Ray Fan Plot

17-08-2025

Maximum Scale:  $\pm 10.000 \mu\text{m}$ .

0.486    0.588    0.656

Surface: Image

Zemax

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Configuration 1 of 1