

Wyrowski VirtualLab Fusion (2nd Generation Technology Update [Build 7.3.0.50])

File Start Sources Functions Catalogs Windows Optical Setup **Tools**

Complete Sequence Generation Insert Element  
Partial Sequence Generation **Exclude Element** Synchronize Detector Sampling  
Toggle Light Source Exchange Elements Delete All Linkages  
Optical Setup Tools Component Tools Catalog Support

15: Optical Setup View (C:\Users\... \IBDS.0004\_OptimizeFocalBeamSize\_02\_GFT+\_rev1.lpd #14)

Light Sources  
Coordinate Break  
Components  
Ideal Components  
Camera Detector  
Detectors  
Analyzers

Gaussian Wave (NIR Diode Laser from Laser Components: WSLD: 1064-050m-1-PD) Collimation Objective Lens Axicon 1-20°, 5mm Thickness, 25.4 mm Diameter Axicon 2 20°, 5mm Thickness, 25.4 mm Diameter Aspherical Lens (from Asphericon: A12-25LPX) VS (GFT+): Calculate Field at Reconstruction Plane

Ray Tracing System Analyzer

Stop Central Rays (Apex)

Property Browser

14: Optical Setup Editor (C:\Users\... \IBDS.0004\_OptimizeFocalBeamSize\_02\_GFT+\_re...

Simulation Settings

General General Optical Setup  
Type  
Enable Process Logging **False**  
Use Parameter Coupling **False**

Environment  
Air Pressure **101.33 kPa**  
System Temperature **20 °C**

**Field Tracing 2nd Generation**  
Sampling Accuracy **20**  
Fourier Transformation Accuracy  
Non-Sequential Tracing **False**

メニュー[Tools]-[Exclude Element]を使用して、  
Stop Central Rays (Apex)を光路から外す

Optical SetupのProperty Browserで、  
[Sampling Accuracy]の数値を上げる

24: VS (GFT+): Calculate Field at Reconstruction Plane #607 after Aspherical Lens...

Light View Data View

Locally Polarized Harmonic Field - Ex

Amplitude Zoom: 0.48727 (905, 443)

Field Tracing 2<sup>nd</sup> Generationの実行結果

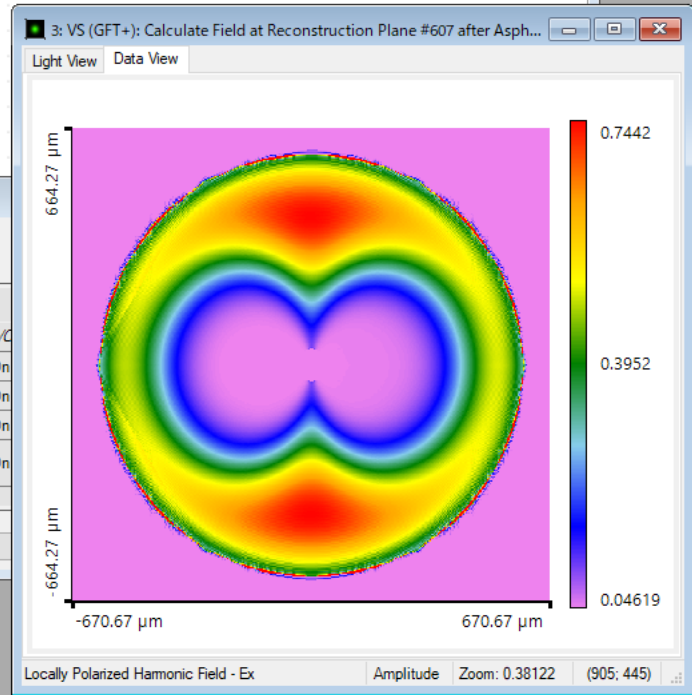
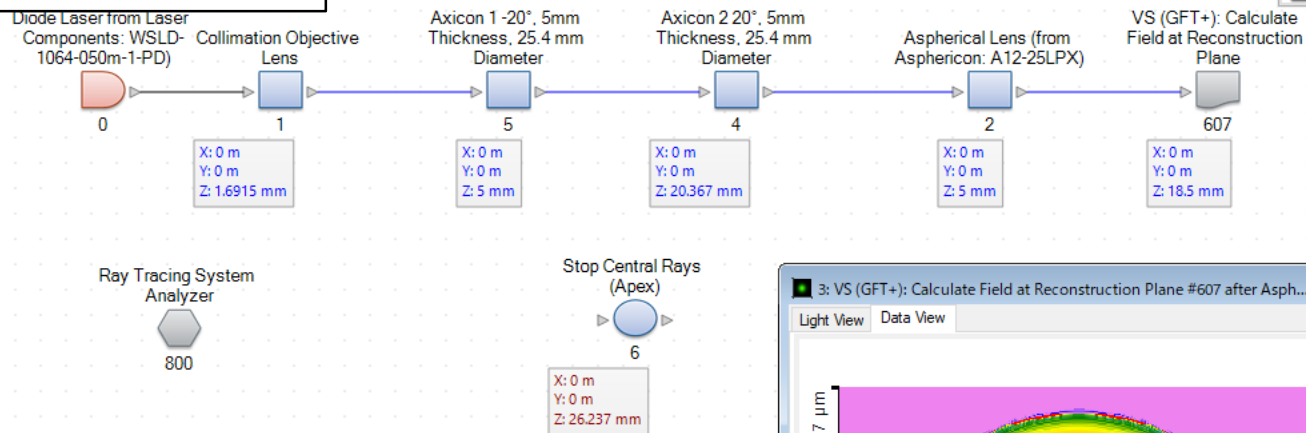
Start Element			Target Element		Linkage		
Index	Type	Channel	Index	Type	Propagation Method	On/Off	Color
0	Gaussian Wave (NIR Diode)	-	1	Collimation Objective Lens	Field Tracing	On	Black
1	Collimation Objective Lens	T	5	Axicon 1-20°, 5mm Thickness,	Field Tracing	On	Blue
5	Axicon 1-20°, 5mm Thickness,	T	4	Axicon 2 20°, 5mm Thickness,	Field Tracing	On	Blue
4	Axicon 2 20°, 5mm Thickness,	T	2	Aspherical Lens (from	Field Tracing	On	Blue
2	Aspherical Lens (from	T					

Simulation Engine Field Tracing 2nd Generation Go!

Detector Results

Date/Time	Detector	Sub - Detector	Result
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## Reverse Rainbow、User-Defined Scaling に変更



## 次のようにスケーリングを変更

Property Browser

3: VS (GFT+): Calculate Field at Reconstruction Plane #607 after Aspherical...

Data View Point Manipulation

General

Window Size 513, 519

Coordinates

Fixation of Location Bottom Left

Shown Coordinates Both

Displayed Vectorial Component of Field

Vectorial Component Ex

Norm and Power

Norm of Whole Component 52185

Power of Whole Component 306.55 pW

Power of Whole Field 306.62 pW

Profile Line

Display Profile Line False

Selection

Display Selection Marker False

Color Palette Reverse Rainbow

Max 0.7442

Min 0.04619

Value Range User-Defined Scaling

View

Field Quantity Amplitude

Interpolated View False

Zoom

Aspect Ratio True to Physical Scale

Zoom Factor X 0.39558

Zoom Rectangle (in Physical Coord) (-669.93 μm; -662.78 μm): (1.3413 mm, 1.3413 mm)

Zoom Rectangle (in Pixel Coord) (0; 0): (905; 444)

Max

Max