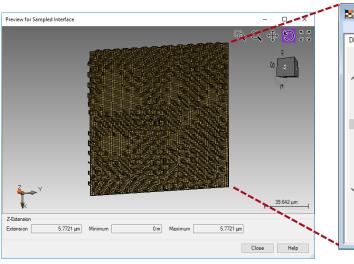
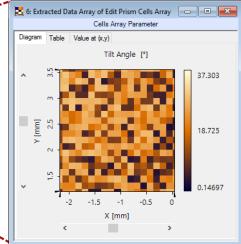


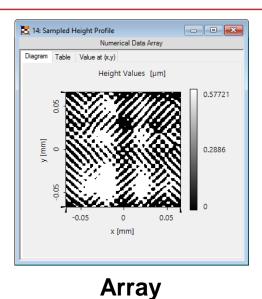
Light Shaping > Diffractive Optics

Export of Fabrication Data

Task Illustration







7.433 mm 6.6702 mm 6.6702 mm

Quantized

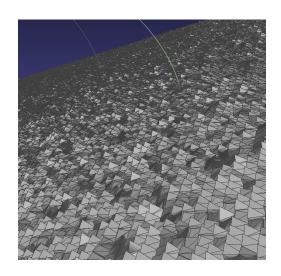
flexible export of fabrication data:

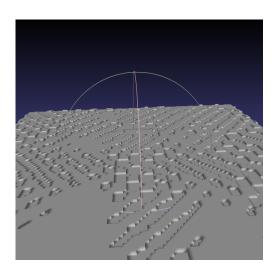
- smooth interfaces
- quantized interfaces
- mirror/prism/grating cell arrays

Smooth

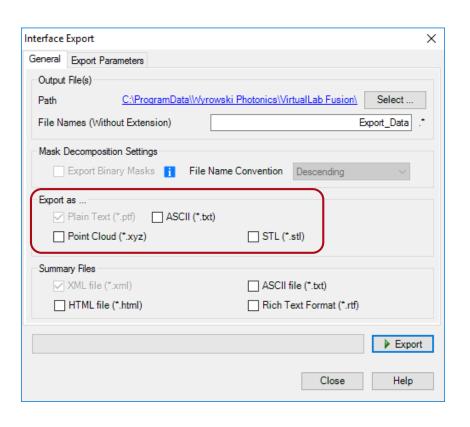
Highlights

- export of fabrication data for various surface shapes
- export of quantized interfaces like binary masks for lithographic fabrication techniques





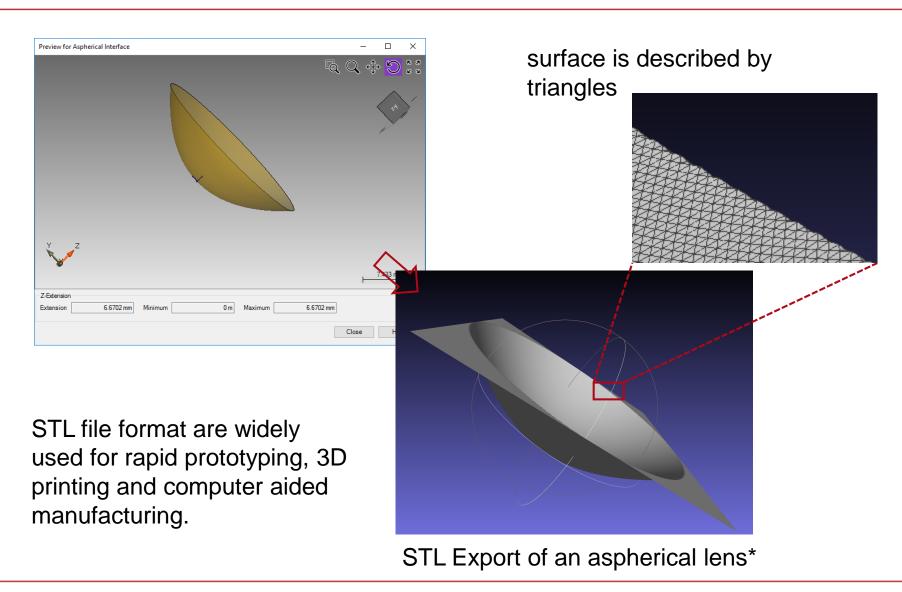
Fabrication Data for General Interfaces



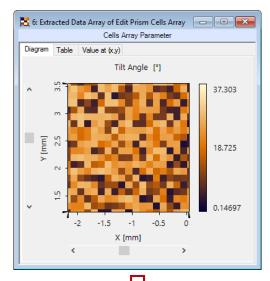
supported file formats:

- plain text
- ASCII
- point cloud
- CAD formats (e.g. STL, IGES)

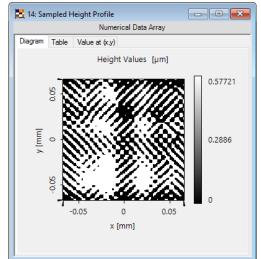
STL Export of Smooth Interface (e.g. Asphere)



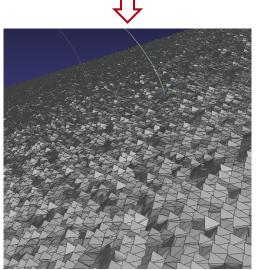
STL Export of Sampled Height Profiles



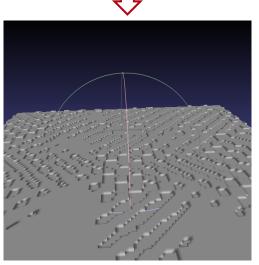
sampled height profile of a prism cell array



sampled height profile of a binary beam shaper



STL of prism cell array*

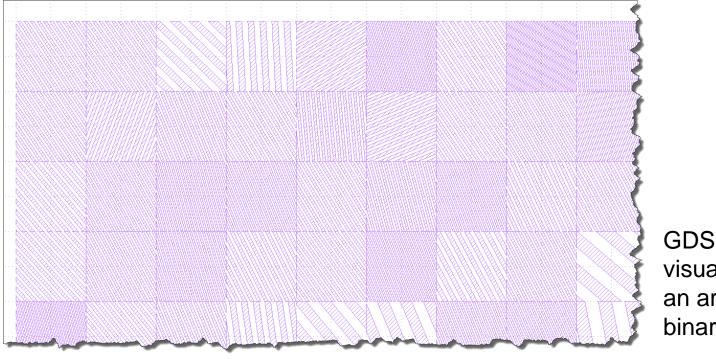


STL of a binary height profile*

GDSII Export for Quantized Interfaces

In case of quantized interfaces data can be directly exported to GDSII file format.

This file format is mostly used e.g. in lithographic exposure techniques.



GDSII data visualization of an array of binary gratings

Document & Technical Info

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version of document	1.0
title	Fabrication Export
category	Diffractive Optics (DO)
created by	Huiying Zhong
used VL version	7.0.0.29

Processor i7-5600U (2 CPU cores)

RAM 12GB

Operating System Windows 10