

## Tutorial 144.01: Structure Design and Fabrication Export

### Abstract

This tutorial explains the usage of the structure design in VirtualLab. Also to handling for import and export of fabrication data is shown.

<b>Author:</b>	Christian Hellmann, LightTrans GmbH
<b>Keywords:</b>	Diffraction Optics Toolbox, structure design, import, export, fabrication data
<b>Requirements:</b>	VirtualLab version 5.3.0 or higher – <b>Diffraction Optics Toolbox</b>
<b>Scenario Version:</b>	1.1
<b>Sample Files:</b>	Corresponding files can be found <a href="#">here</a> .

The file "Tutorial Structure Design and Fabrication Export.pdf" contains the actual tutorial. Within this document the work flow to create a height profile from a given phase distribution is described. Therefore a sampled phase distribution is used, which can be found in the VirtualLab samples folder.

The tutorial also explains how to export a given height profile to standard export formats like bitmap, ASCII, GDSII or CIF format. Finally the tutorial gives an overview on the possibilities for import fabrication data into VirtualLab.

### Technical Support

If you have any questions, remarks or problems concerning this tutorial, or in using VirtualLab in general, please do not hesitate to contact us by E-Mail [support@lighttrans.com](mailto:support@lighttrans.com).

Please use the update service to install the current version of VirtualLab. Alternatively you can use the latest **Trial Version** of VirtualLab which is available at our [download site](#). If you have been registered already for an older trial version, just contact us by [E-Mail](#).

To ensure that this tutorial gives the same results as described, set the global settings to the default values. In VirtualLab this can be done in the **Extras > Global Options** dialog with the **Reset All** button.