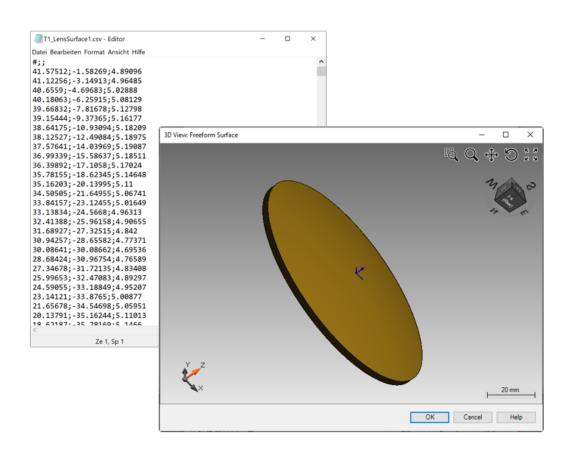


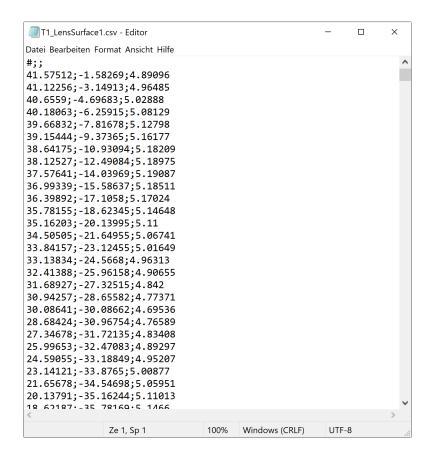
Import of Non-equidistantly Sampled Interface Data

Abstract

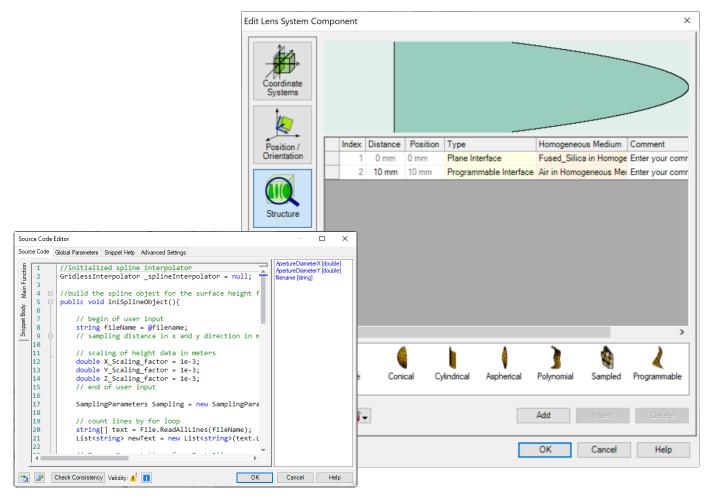


Some software tools provide geometrical information of surfaces in nonequidistantly sampled data. In order to import these information into objects VirtualLab Fusion can operate with, it is necessary to resampled the data according to an equidistant grid. This demonstration shows a programmable Interface which can read a nonequidistant sampled data from a CSV-File and automatically import and resample it by applying spline interpolation methods.

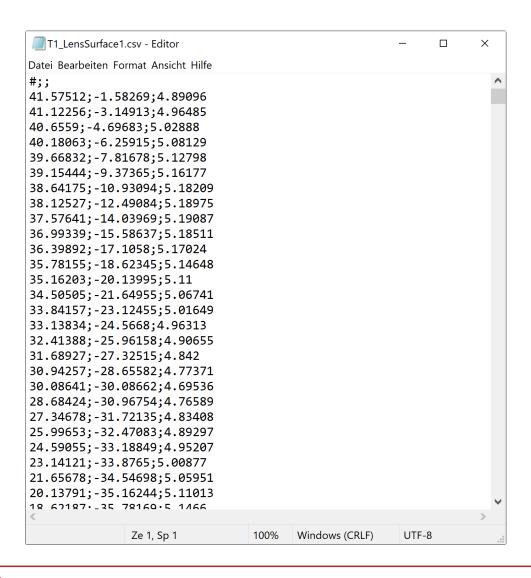
Task Tescription



Import a list of datapoints into VirtualLab Fusion

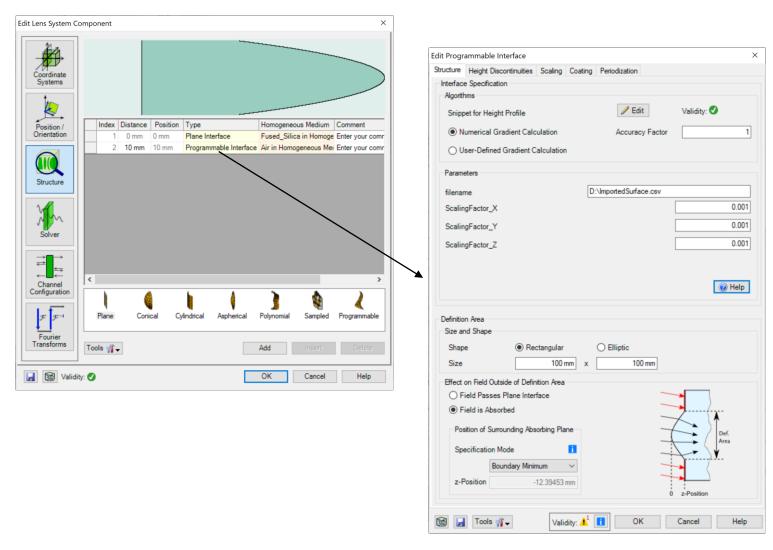


Inputformat



- Lens data must be given as a .csv file with the format x;y;z where x and y stand for the coordinate and z for the height value of x and y
- Datalist must start with "#" and end with "#"

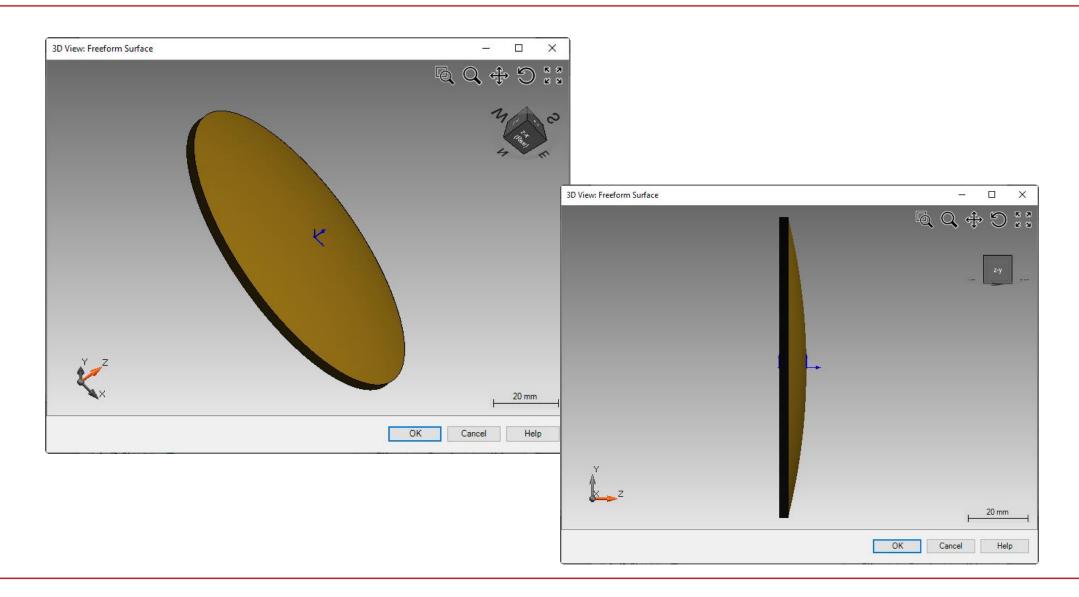
System Setup



Location of the file

Factors multiplied on all values of a column (to represent units)

Resulting Surface



Document Information

title	Import of Non-equidistantly Sampled Interface Data
document code	Demo.0029
version	1.0
VL version used for simulations	VirtualLab Fusion 2020.1
category	Demo
further reading	