

UseCase.0013 (1.0)

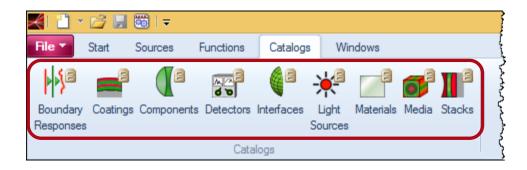
Catalog Usage Concept

Keywords: catalog, light source, component, material, detector, interface, medium, boundary response, coating, stack

Description

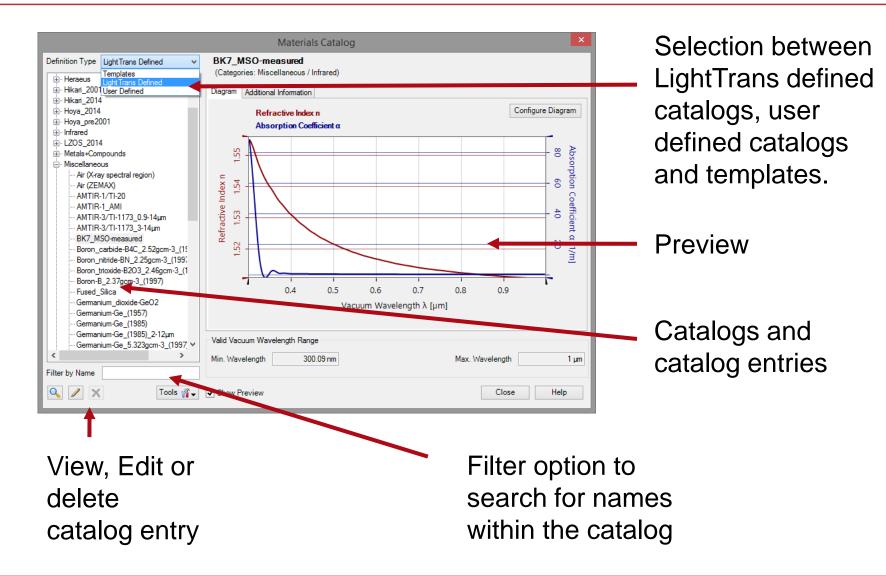
- This use case explains the basic catalog concept.
- It explains how the catalogs can be accessed in general.
- For the following building blocks catalogs are available within VirtualLab:
 - Boundary responses
 - Coatings
 - Components
 - Detectors
 - Interfaces
 - Light Sources
 - Materials
 - Media
 - Stacks

Catalog Access



- Via the catalogs ribbon the catalogs can be accessed.
- Clicking on a catalog ribbon item triggers the opening of the catalog for selected building block.

Catalog Concept



Catalog Tools

<u> </u>		~
Tools	s 🎢 🗸 🖌 Show Preview	
0	View	
1	Edit	
\times	Remove	1
	Rename	;
	Edit Categories	+
1	Import VirtualLab <4.5 Materials	ł
1	Import Zemax Glass Catalog	:
0	Reload from Hard Disk	l

- By clicking on the tools button a list of tools to modify the catalog is provided.
- The user can
 - view, edit, remove or rename the selected catalog entry. Such changes concerns only the user-defined entries.
 - define categories of the selected entry (multi categories are possible).
 - Import Zemax and old VirtualLab catalogs.

Catalog – Global Options

Global Options			
Fields and Sampling Operations View Parameters Performance Other Settings			
Default Reference Material Name Standard Air Q View			
Catalog Material			
State of Matter Gas or Vacuum 👻			
Path Settings			
User-Defined Catalogs etc.)			
Path for Temporary Files Otherspin Path for Zemax User Data C:\Users\schimmel\Docum\Zemax			
Waming Level			
Maximum Number of Sampling Points per Field 1E+09 Maximum Number of Field Set Members			
Maximum Number of Field Set Members 400			
Error Handling Pop up Warning Messages			
Pop up Error Messages			
Reset All Ok Cancel Help			

- The path of the user defined catalogs can be found in the edit dialog of the global options of VirtualLab.
- The path is read-only and can not be edited by the user.



- Catalogs allow to store system building blocks which are used more often by in a user-defined database.
- The filter function of the catalog allows to find the building block of interest fast.
- The preview of the catalog entry gives an overview on the parameters of the selected entry.
- In addition catalog access within the light path diagram and in the building blocks itself is available.