Application Scenario 190.01: Rigorous Analysis and Optimization of pillar-type antireflection structure.

Abstract
The optimization and analysis of a pillar-type sub-wavelengths antireflection grating by rigorous Fourier Modal Method is demonstrated in this example. The optimization of the grating parameters is done by the parameter run of VirtualLab.

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Keywords:	pillar, antireflection, grating, rigorous, FMM, sub-wavelength
Requirements:	VirtualLab version 5.1.2 or higher – **Grating Toolbox**
Version:	2.0
Files:	Corresponding files can be found here.

This application scenario illustrate the handling of sub-wavelength gratings within VirtualLab. Detailed information on the modeling task can be found in the file "`Scenario_190.01_Pillar_Grating_Task.pdf`".

Technical Support

If you have any questions, remarks or problems concerning this application scenario, or in using VirtualLab in general, please do not hesitate to contact us by E-Mail 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 application scenario 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.