



Application Scenario 246.01: Rigorous Simulation of Light Diffraction at Coated Sinusoidal Grating

Abstract

This example demonstrates the rigorous simulation of a coated sinusoidal grating and it illustrates the effect of the coating on the summed efficiency of all reflected orders.

| | |
|---------------------------|---|
| Author: | Torsten Schöning & Hagen Schweitzer, LightTrans GmbH |
| Keywords: | rigorous analysis, FMM, sinusoidal grating, coating |
| Requirements: | VirtualLab version 5.0.0 or higher – Grating Toolbox |
| Version: | 2.1 |
| Files: | Corresponding files can be found here . |
| Related Scenarios: | G.001a , Scenario_104.01 |

Further explanations can be found in the attached Scenario_246.01-_Sinusoidal_Grating_with_Coating_Modeling_Task.pdf. This document also includes instructions on how to apply a coating on a grating.

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.