

## Application Scenario o8.01: Eigenmode computation of stable laser resonators

### Abstract

This application scenario for VirtualLab demonstrates how eigenmodes and eigenvalues of stable laser resonators can be computed. In the example, the resonator consists of two mirror and double interface component that approximates the index modulation of a thermal lens.

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<b>Keywords:</b>	laser resonator, eigenmodes, eigenvalues
<b>Requirements:</b>	VirtualLab version 4.5.0 or higher – <b>Laser Resonator Toolbox</b>
<b>Scenario Version:</b>	1.1
<b>Related Tutorials:</b>	<a href="#">FS.009</a>
<b>Sample Files:</b>	Corresponding files can be found <a href="#">here</a> .

### 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](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 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.