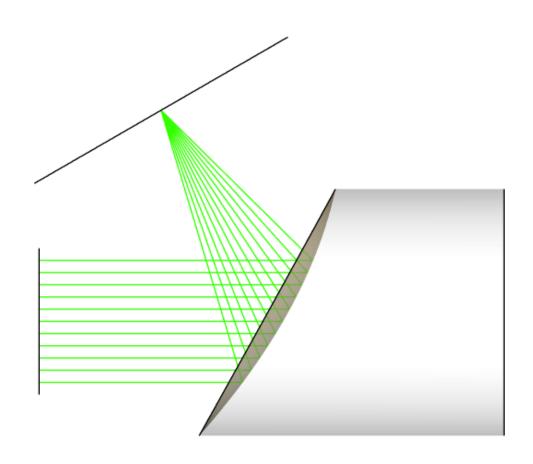


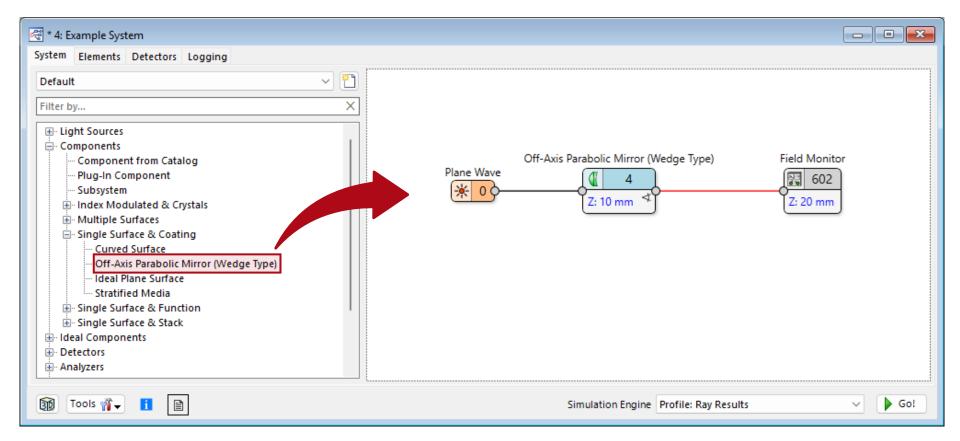
Off-Axis Parabolic Mirror

Abstract



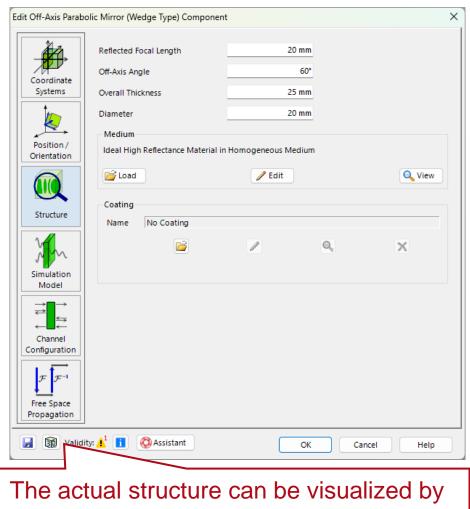
This tutorial demonstrates the Off-Axis Parabolic Mirror (Wedge Type) with examples of various focusing and collimation configurations.

Where to Find the Component?



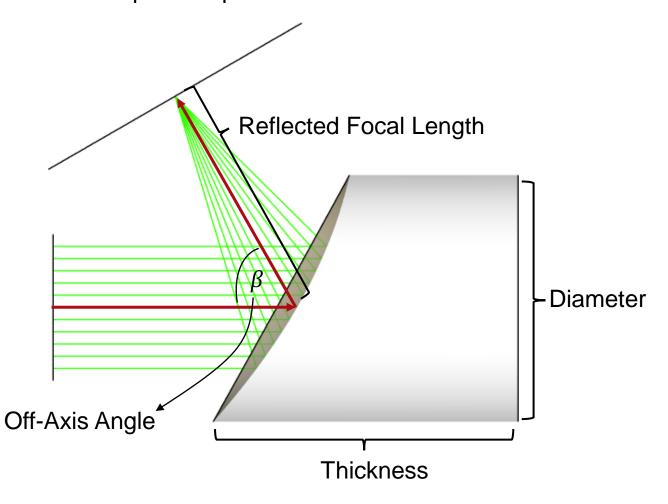
The Off-Axis Parabolic Mirror (Wedge Type) can be found under Components/Single Surface & Coating.

Parameters of the Component

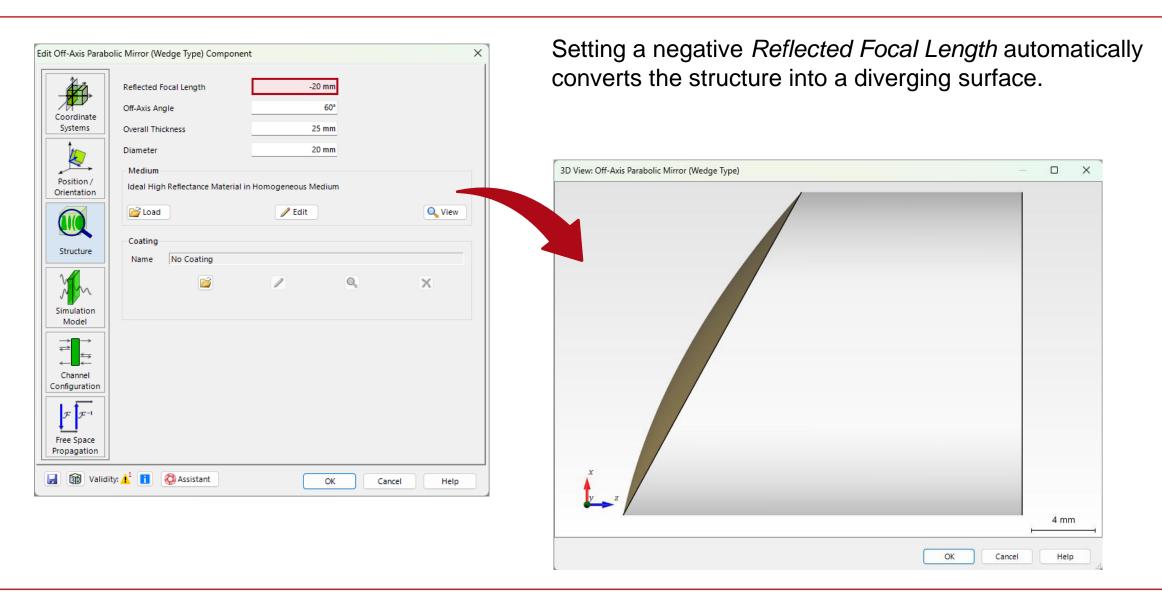


pressing this button.

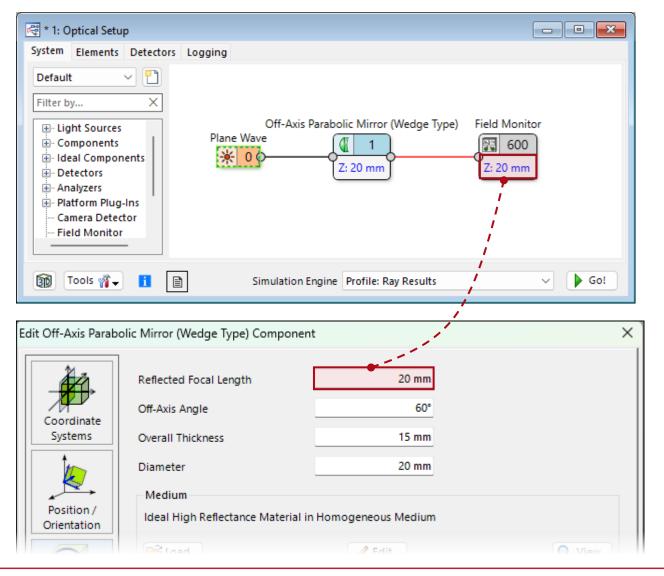
VirtualLab Fusion automatically generates the structure from the specified parameters.



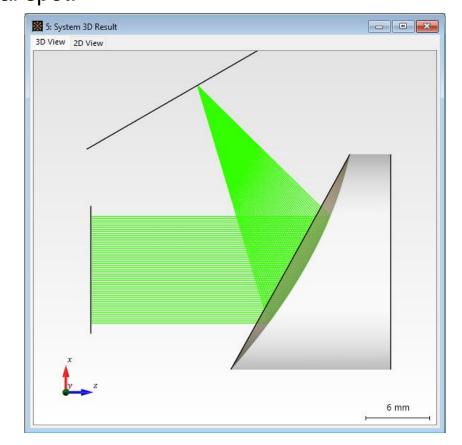
Off-Axis Parabolic with Negative Focal Length



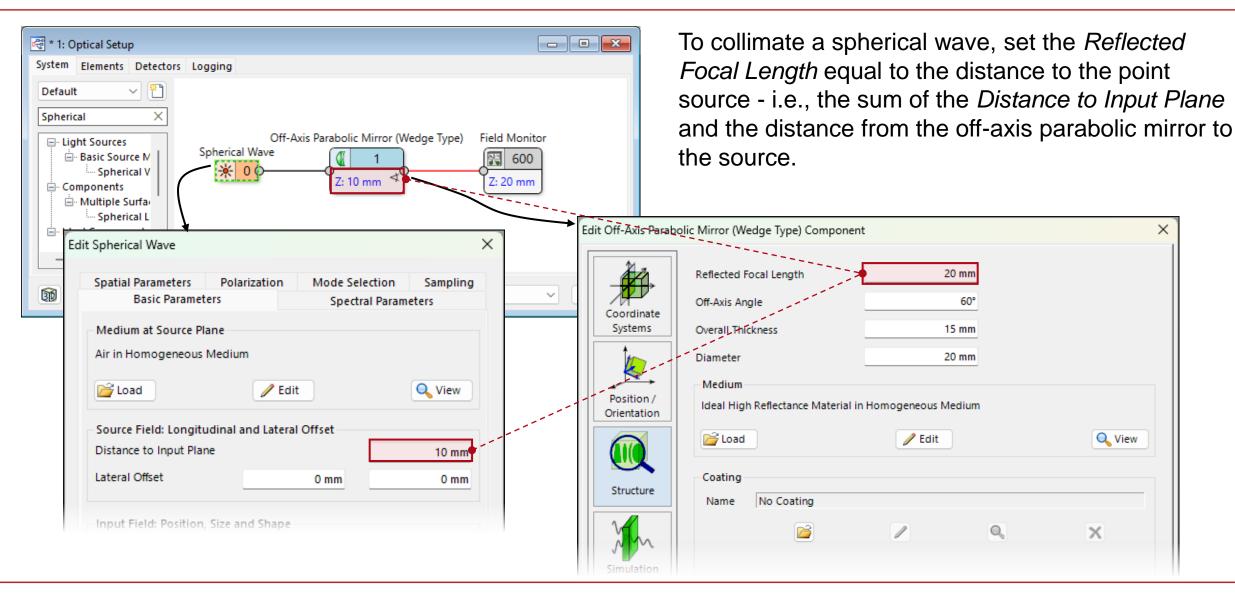
Focusing with a Off-Axis Parabolic Mirror



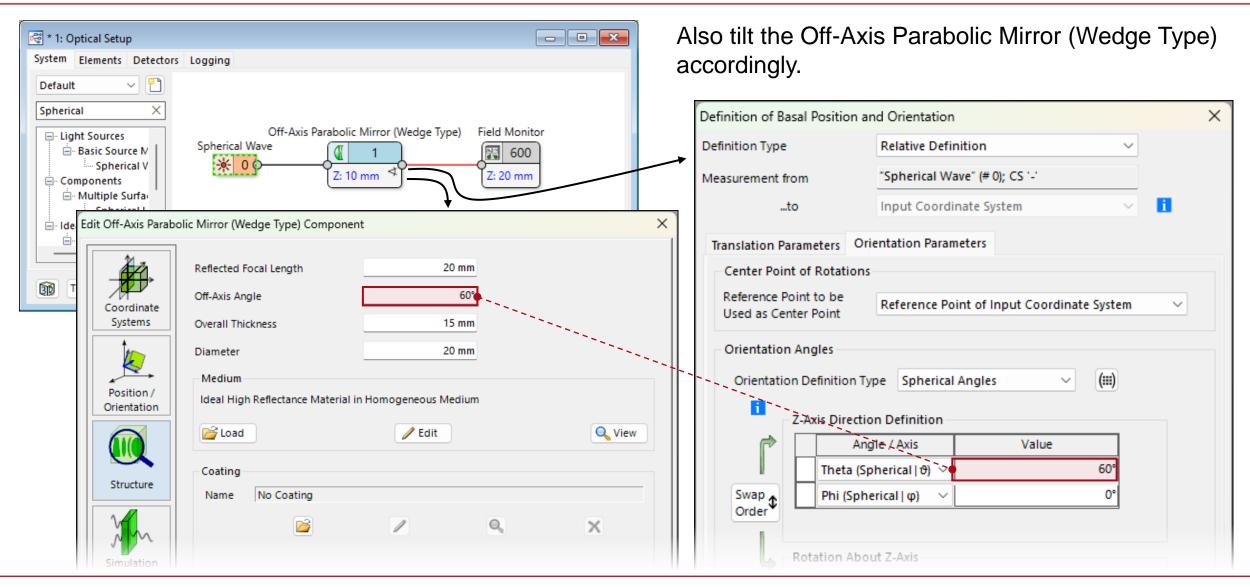
When focusing with the off-axis parabolic mirror, set the detector at the *Reflected Focal Length*. VirtualLab Fusion will automatically position it at the focal spot.



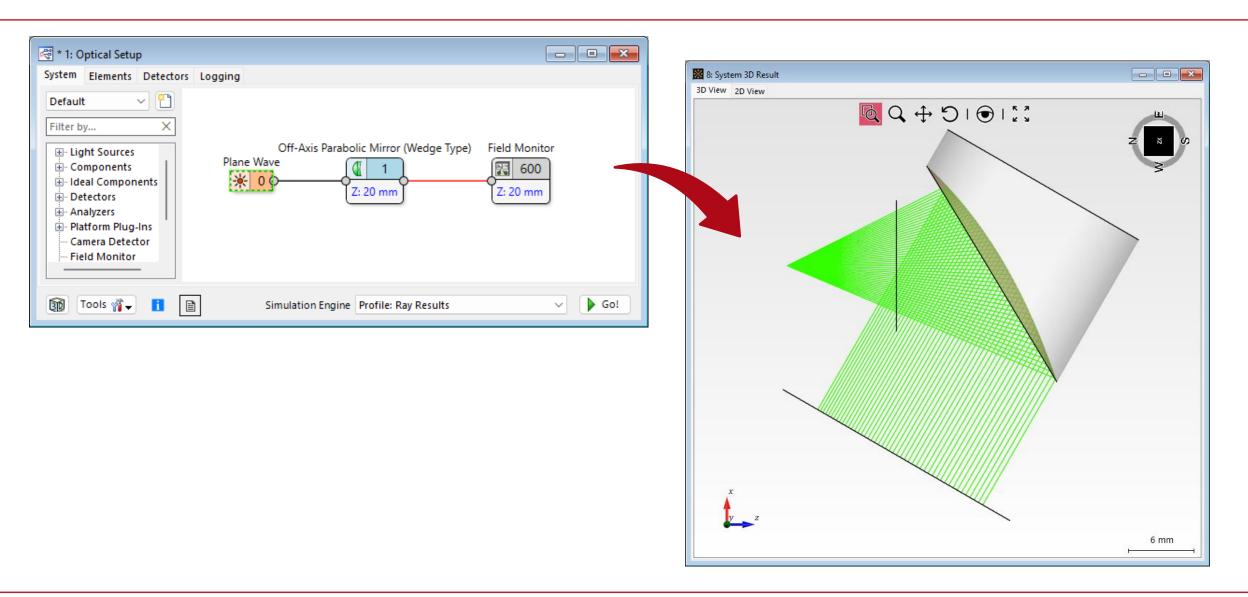
Collimation with a Off-Axis Parabolic Mirror



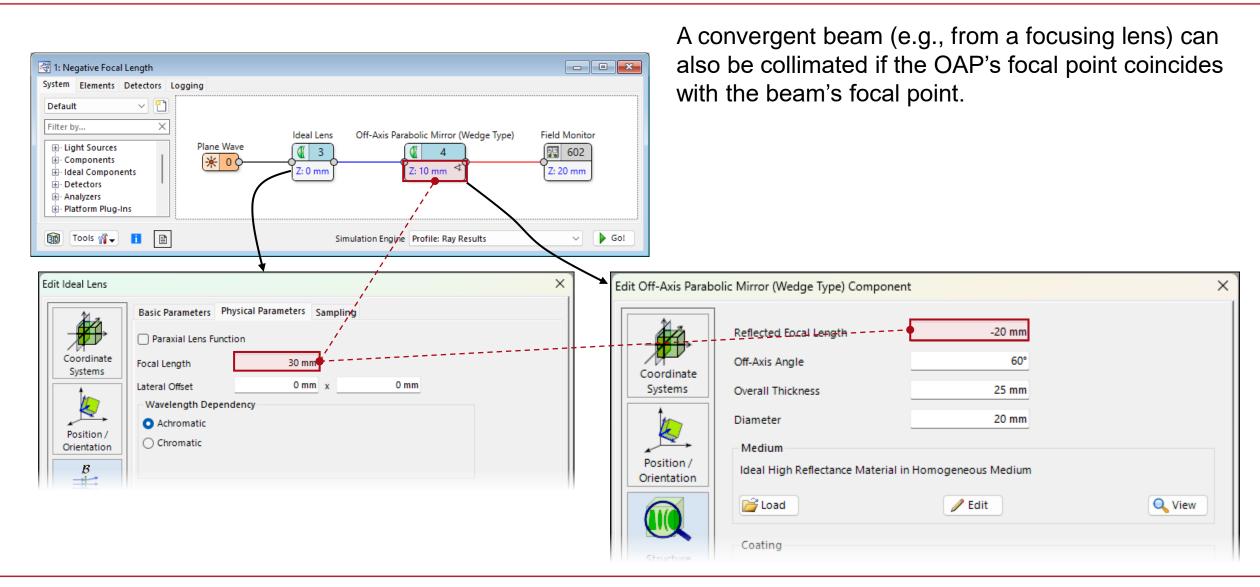
Matching Tilt Angles



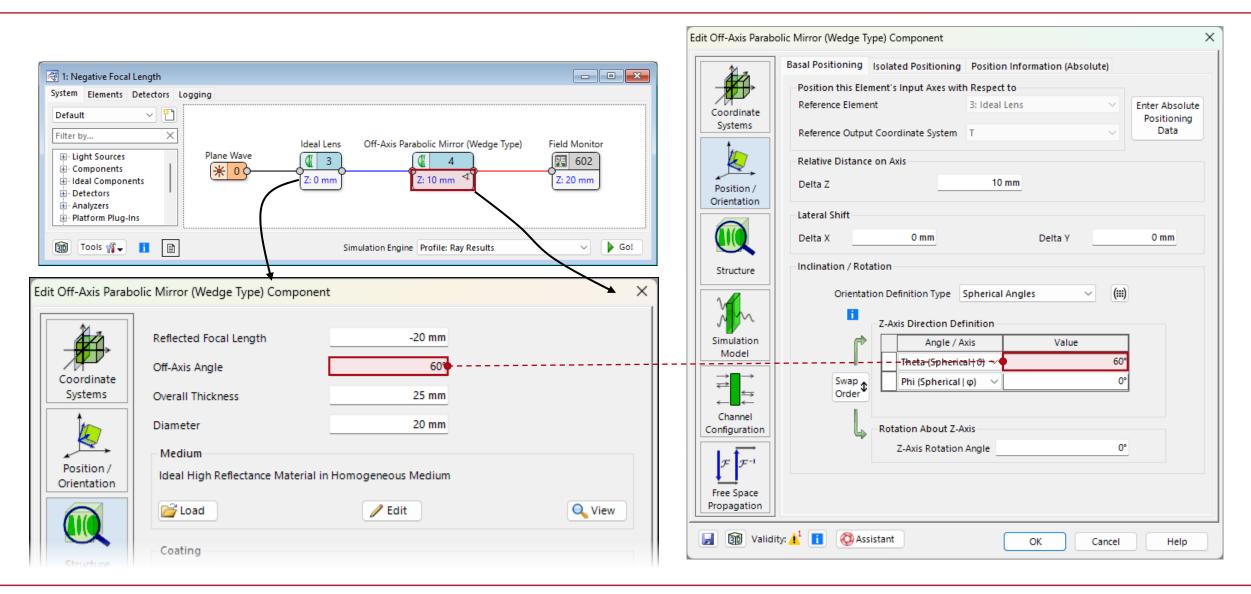
Collimation with a Off-Axis Parabolic Mirror



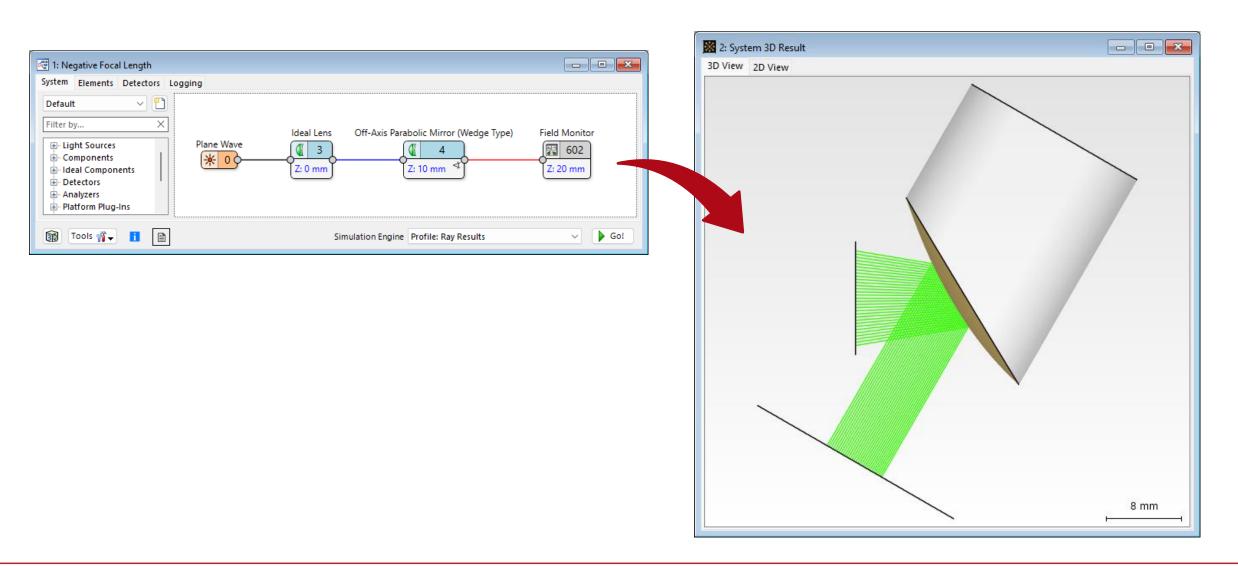
Collimation of a Convergent Beam with an OAP



Matching Tilt Angles



Collimation with a Off-Axis Parabolic Mirror



Document Information

Title	Off-Axis Parabolic Mirror
Document code	TUT.0485
Publication date	24.09.2025
Required packages	-
Software version	2025.2 (Build 1.118)*
Category	Use Case
Further reading	

^{*} The files attached to this document require the specific version or later.