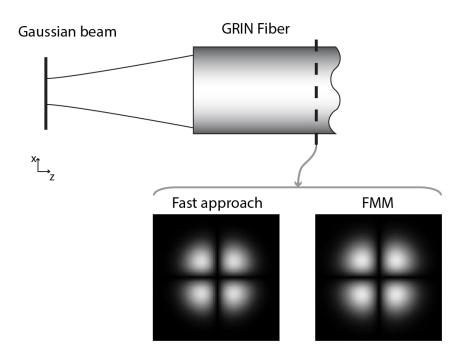


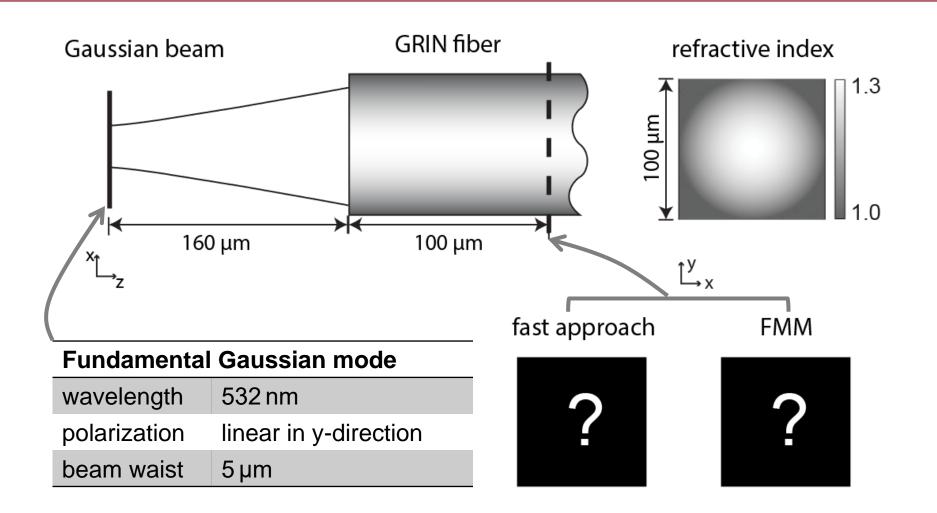
Modeling of Graded-Index (GRIN) Multimode Fiber

Abstract

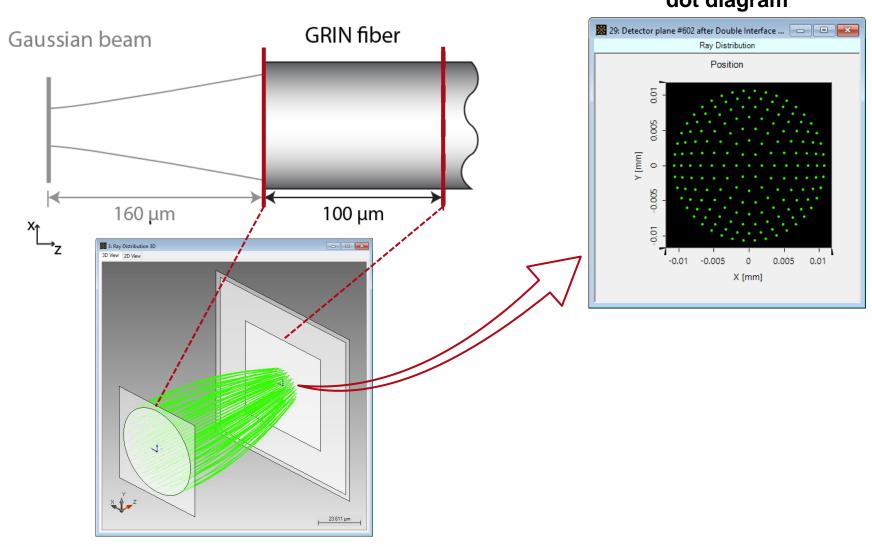


Multimode fibers made out of gradedindex media are widely used in optical applications. To simulate light propagating through the fiber, VirtualLab Fusion implements an approach, which solves Maxwell equation in a fast manner and includes polarization crosstalk effect. The validity and advantages of the fast approach is shown by comparing with the result from the rigorous Fourier modal method (FMM) with perfectly matched layers (PMLs). This example is published in [H. Zhong, J. Opt. Soc. Am. A 35].

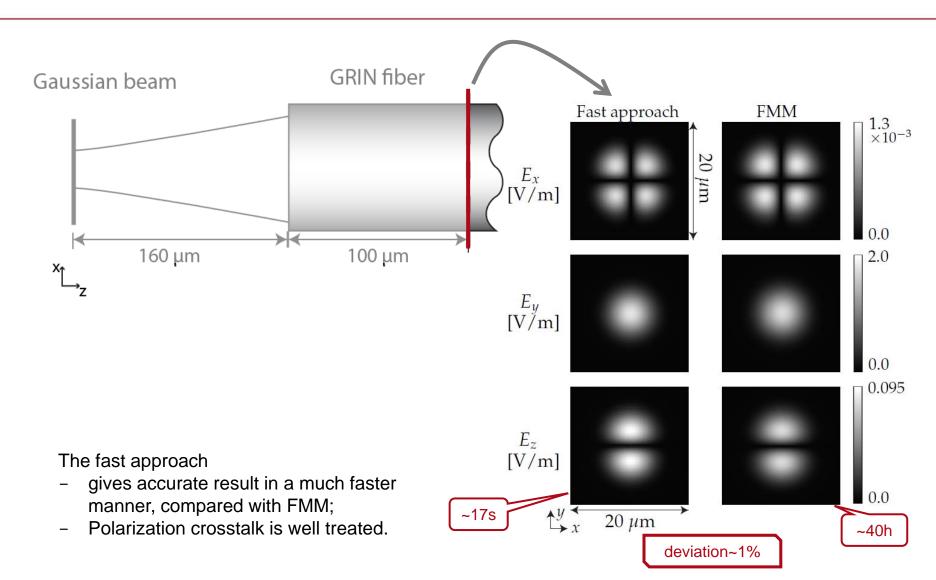
Modeling Task



Results: Rays



Results: Fields



Document Information

title	Modeling of Graded-Index (GRIN) Multimode Fiber
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VL version used for simulations	7.0.3.4
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