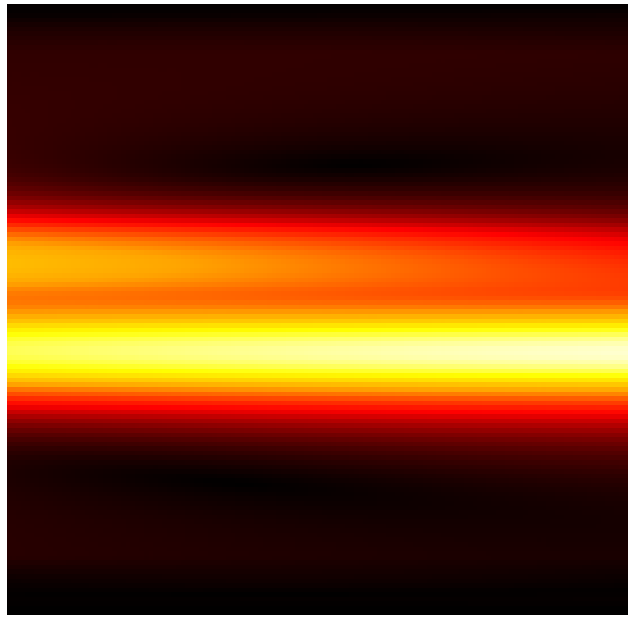
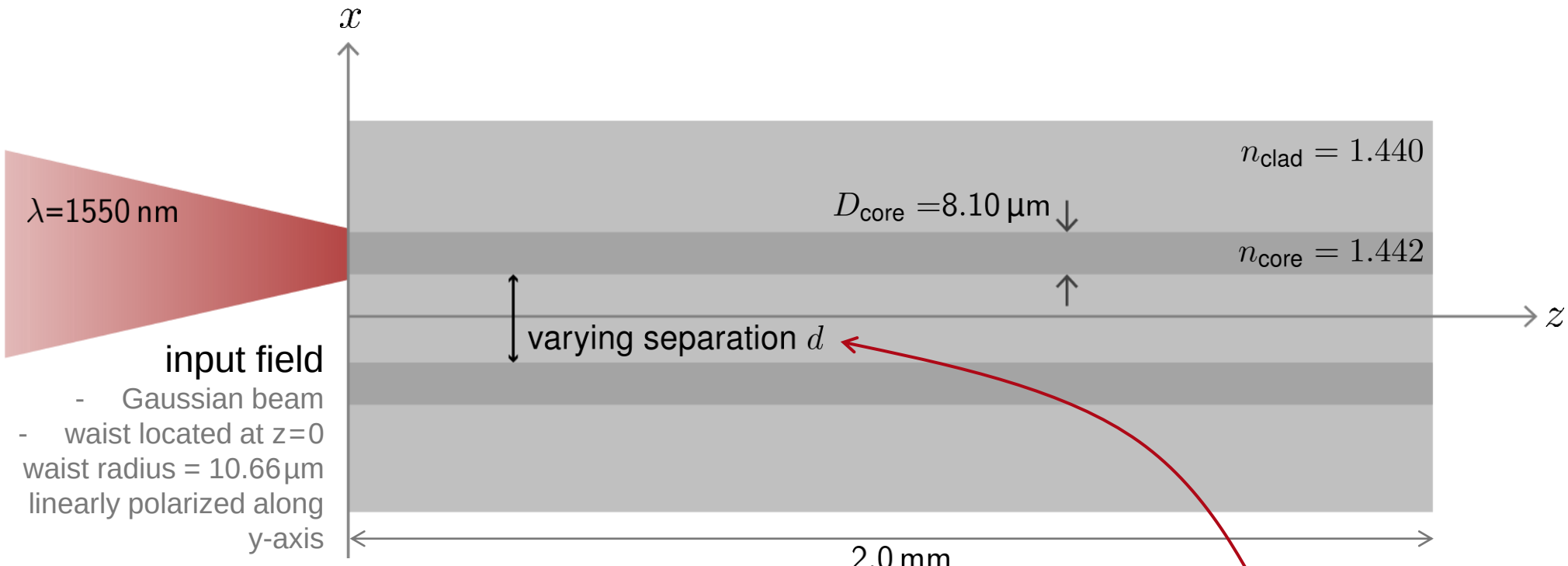
Crosstalk between Two Closely Placed Planar Waveguides

Abstract



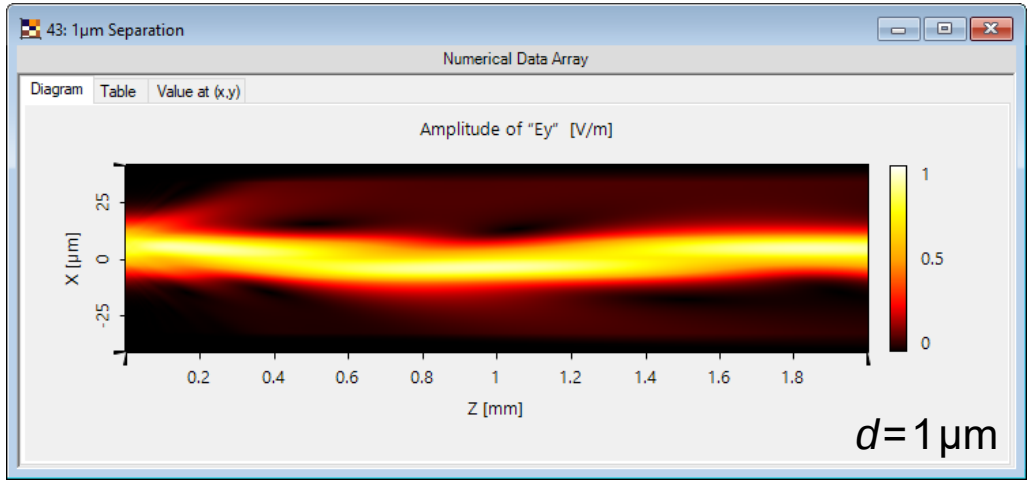
We will vary the separation between two fibers and simulate the electromagnetic field behavior on the x-z plane within the computational region.

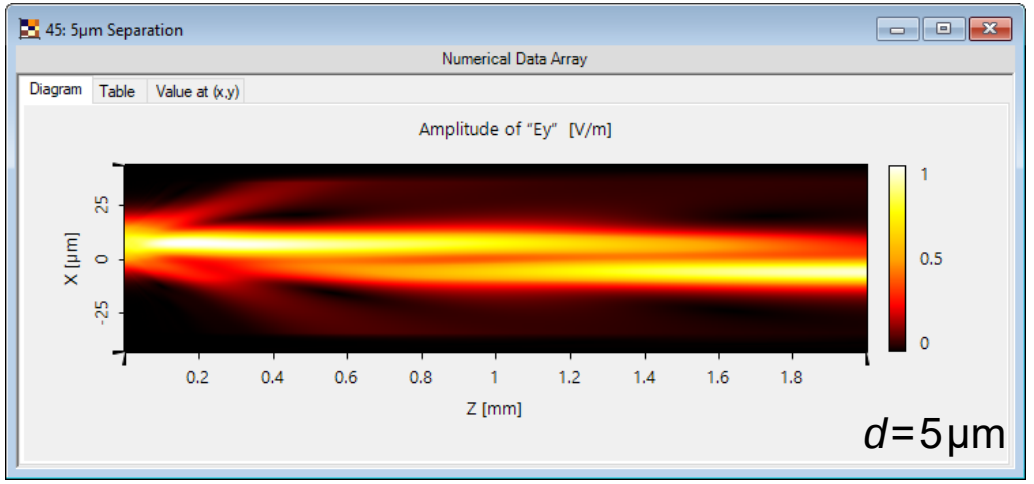
Modeling Task

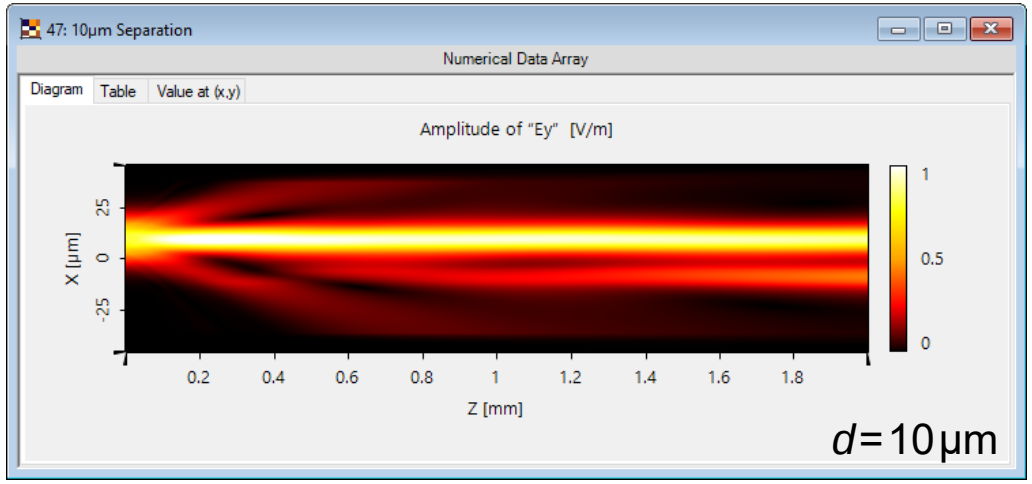


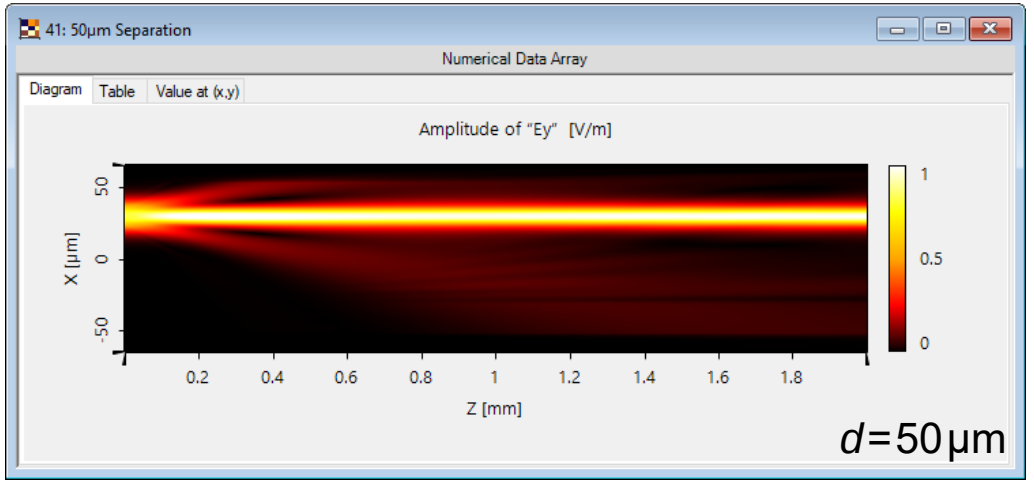
We will vary the separation *d* between two fibers and simulate the electromagnetic field behavior on the x-z plane within the computational region.

Simulation Result (*d* from 1 to 50μm)

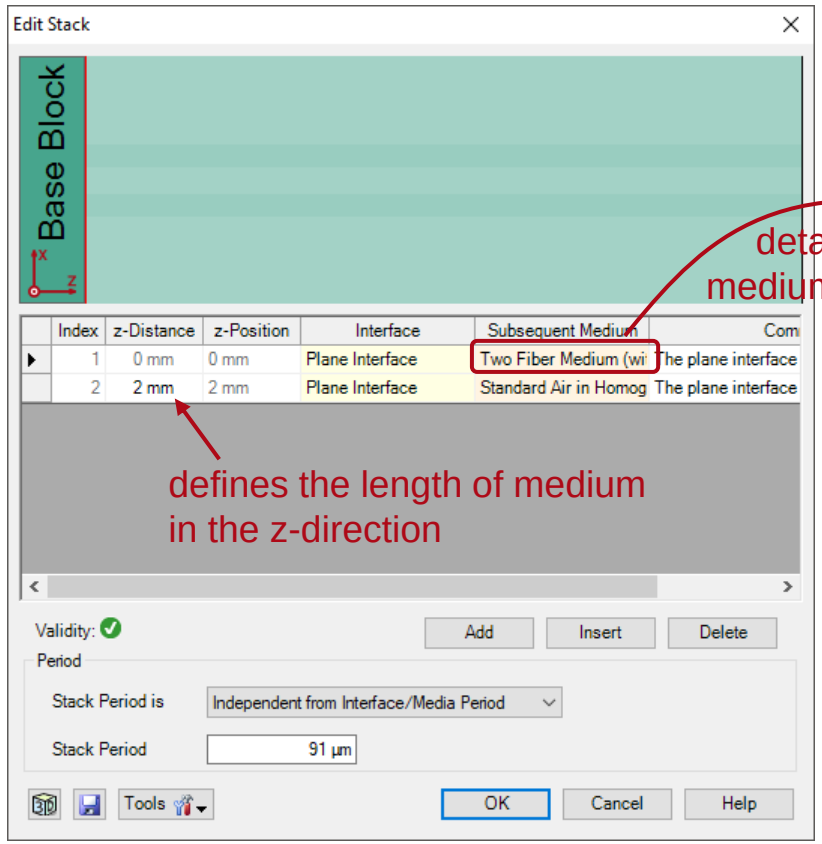




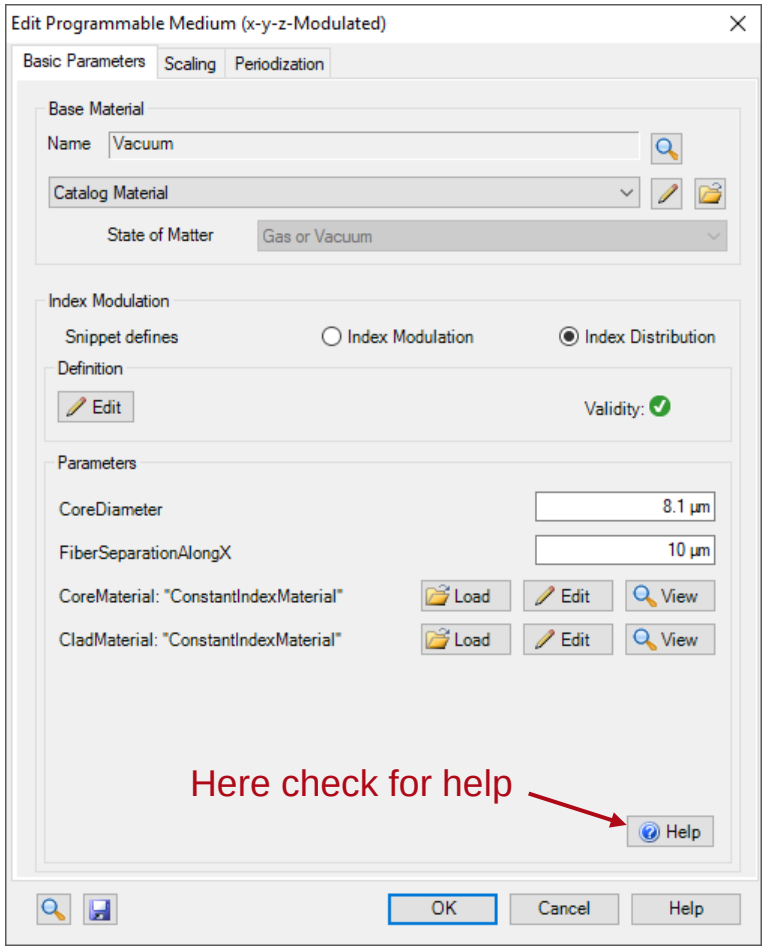




Notes on the Medium Setting



details on the medium settings



Document Information

title	Crosstalk between Two Closely Placed Planar Waveguides
document code	Demo.12
version	1.0
VL version used for simulations	VirtualLab Fusion Summer Release 2019 (7.6.1.18)
category	Demo
further reading	- How to Work with the Programmable Medium and Example (Thermal Lens) - Analysis of Folded Imaging System with Planar or Curved Waveguide