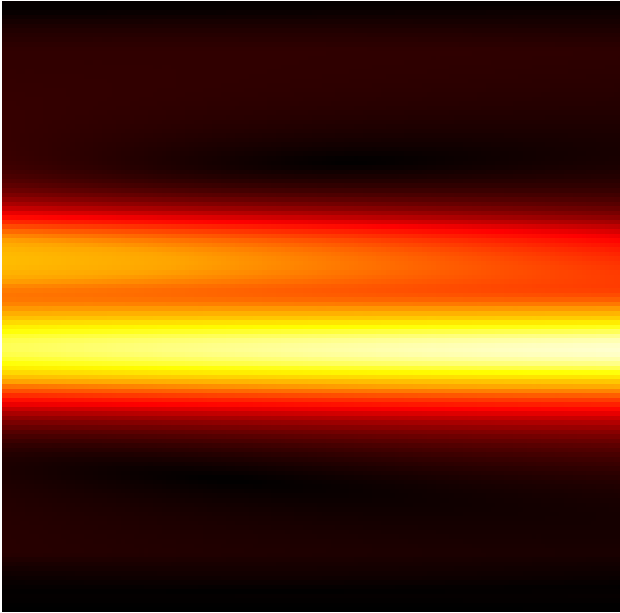


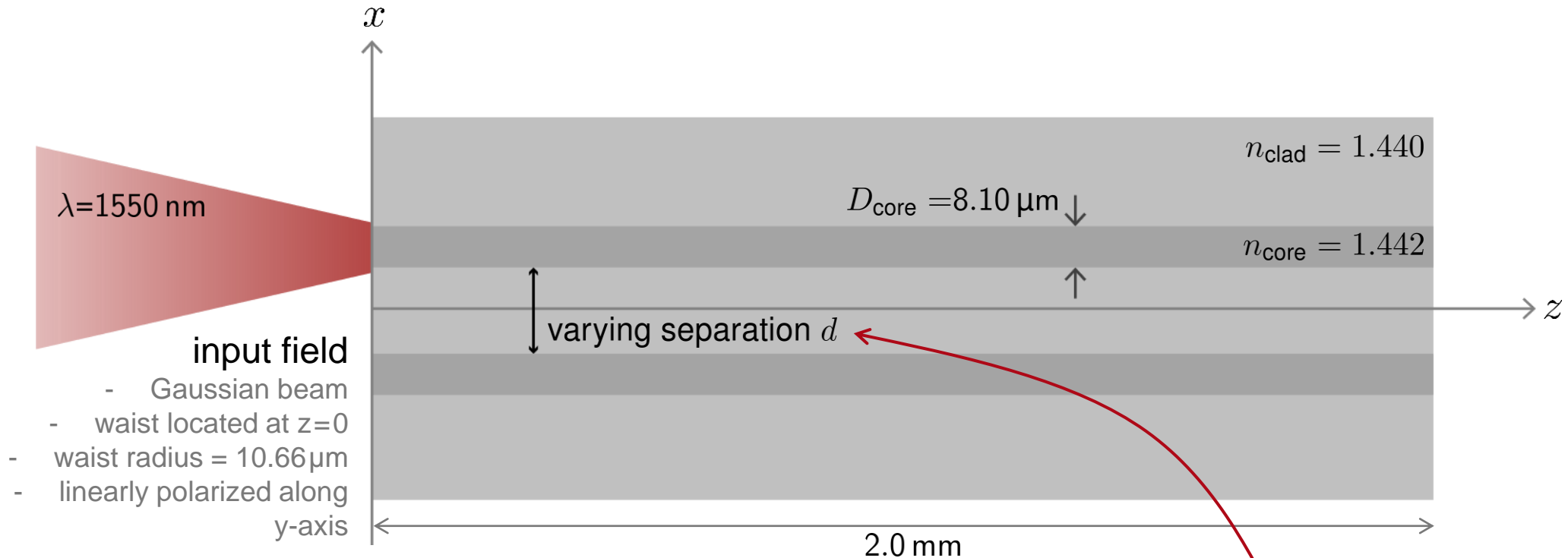
Crosstalk between Two Closely Placed Planar Waveguides

Abstract



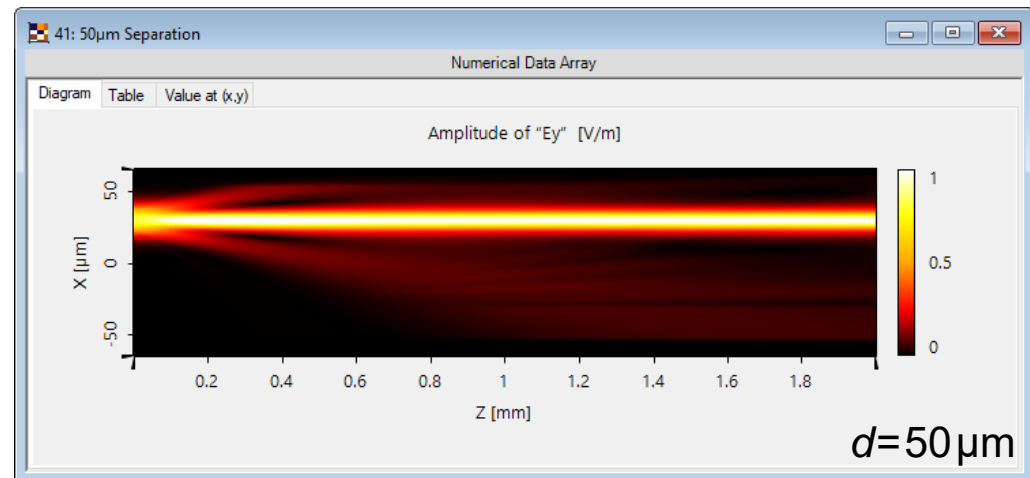
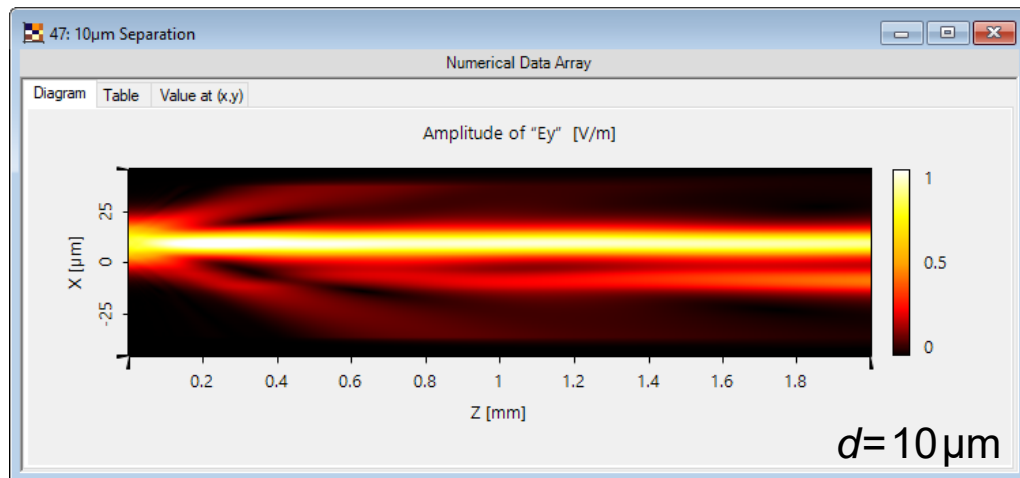
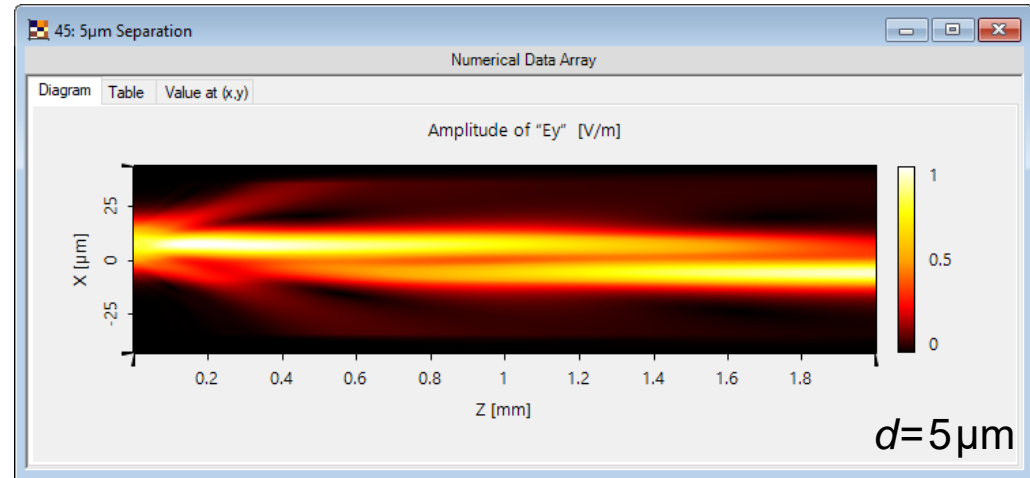
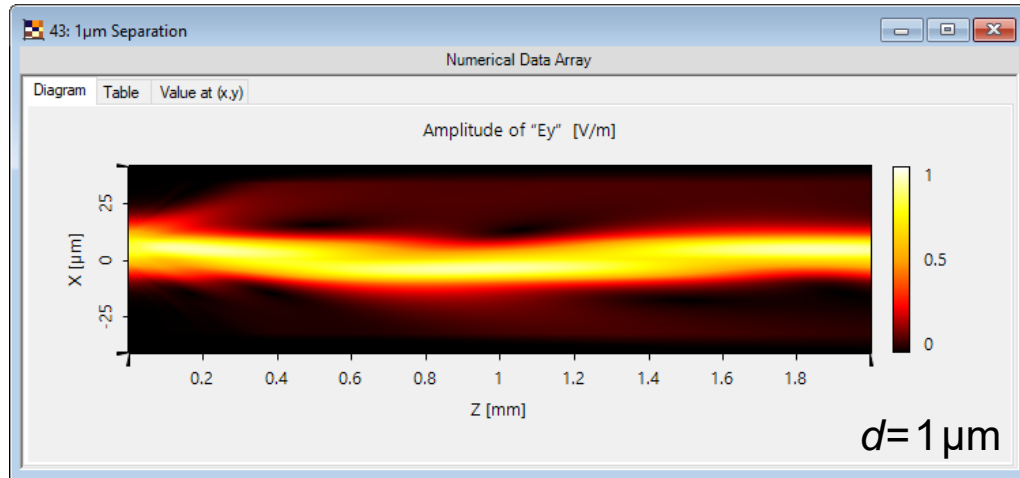
We will vary the separation between two fibers and simulate the electromagnetic field behavior on the x-z plane within the computational region.

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 50 μm)



Notes on the Medium Setting

defines the length of medium in the z-direction

Index	z-Distance	z-Position	Interface	Subsequent Medium	Com
1	0 mm	0 mm	Plane Interface	Two Fiber Medium (wi	The plane interface
2	2 mm	2 mm	Plane Interface	Standard Air in Homog	The plane interface

Here check for help

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	<ul style="list-style-type: none">- How to Work with the Programmable Medium and Example (Thermal Lens)- Analysis of Folded Imaging System with Planar or Curved Waveguide
