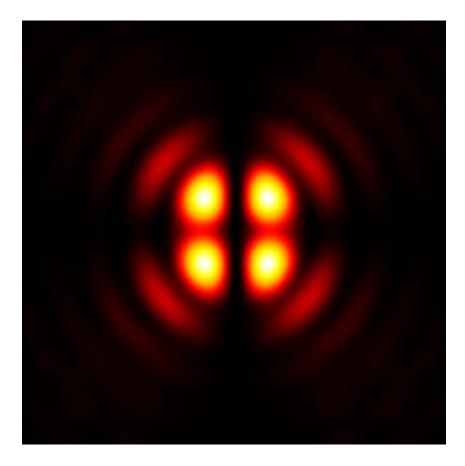


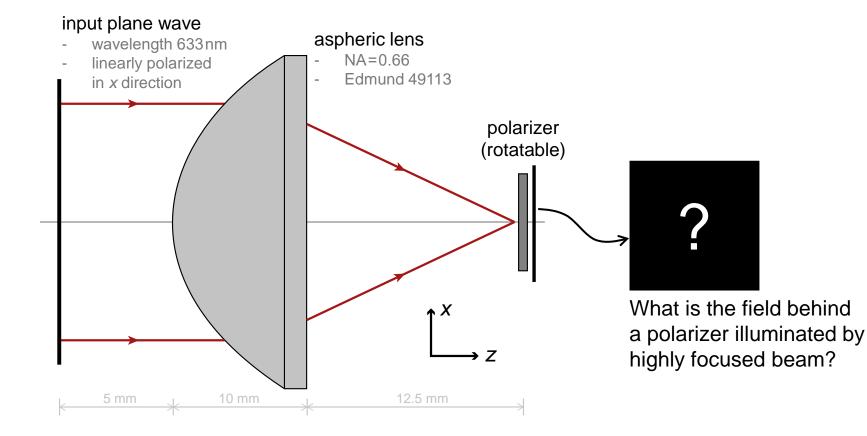
#### **Polarizer in Focal Region**

#### Abstract

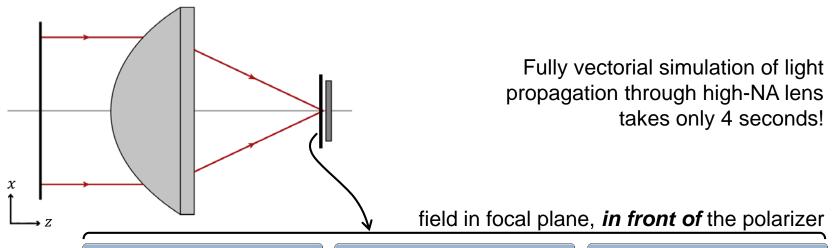


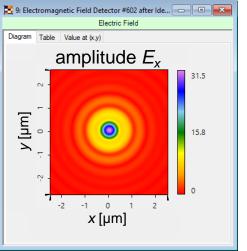
For a linearly polarized light, if a polarizer is placed orthogonally with the polarization of the input light, it is supposed to block the light. This is true only for the case of normal incidence, but not for non-paraxial cases. To model such effects, an idealized polarizer model for nonparaxial case is implemented. As an example, the field behind a rotatable polarizer in the focal region of a high-NA focusing lens is analyzed.

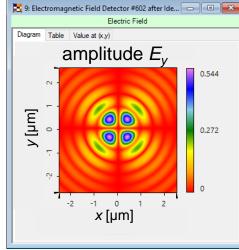
# **Modeling Task**

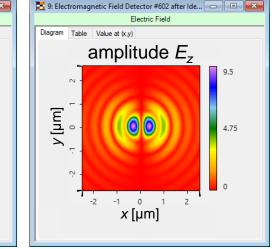


#### **Results**

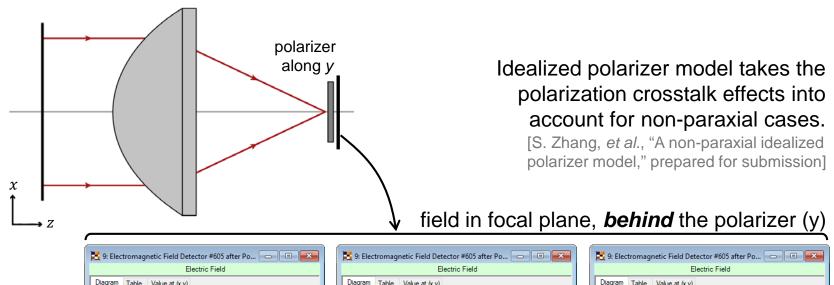


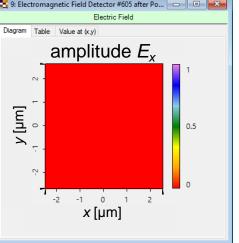


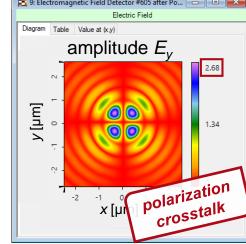


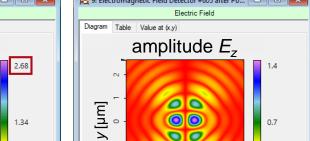


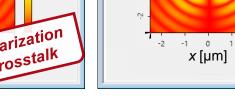
### **Results**



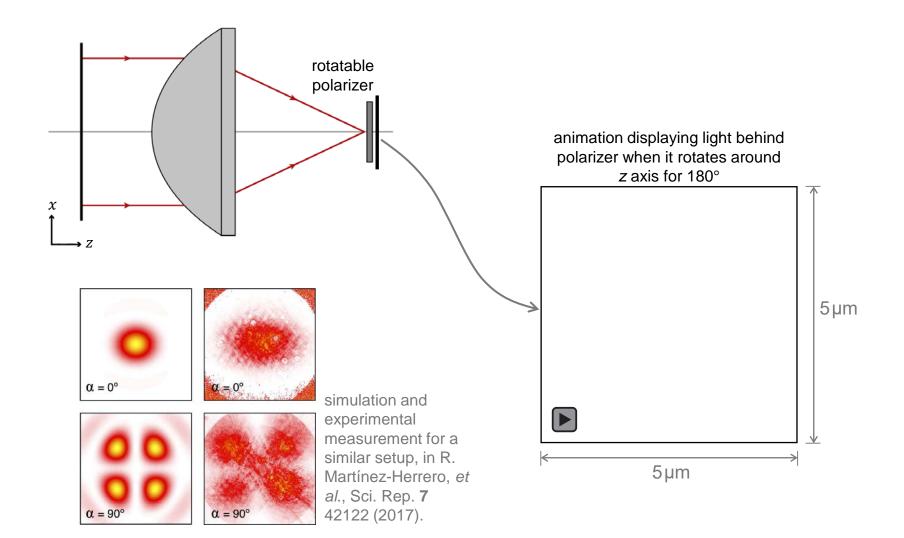








#### **Results**



## **Document Information**

title	Polarizer in Focal Region
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VL version used for simulations	7.0.3.4
category	Technology Use Case