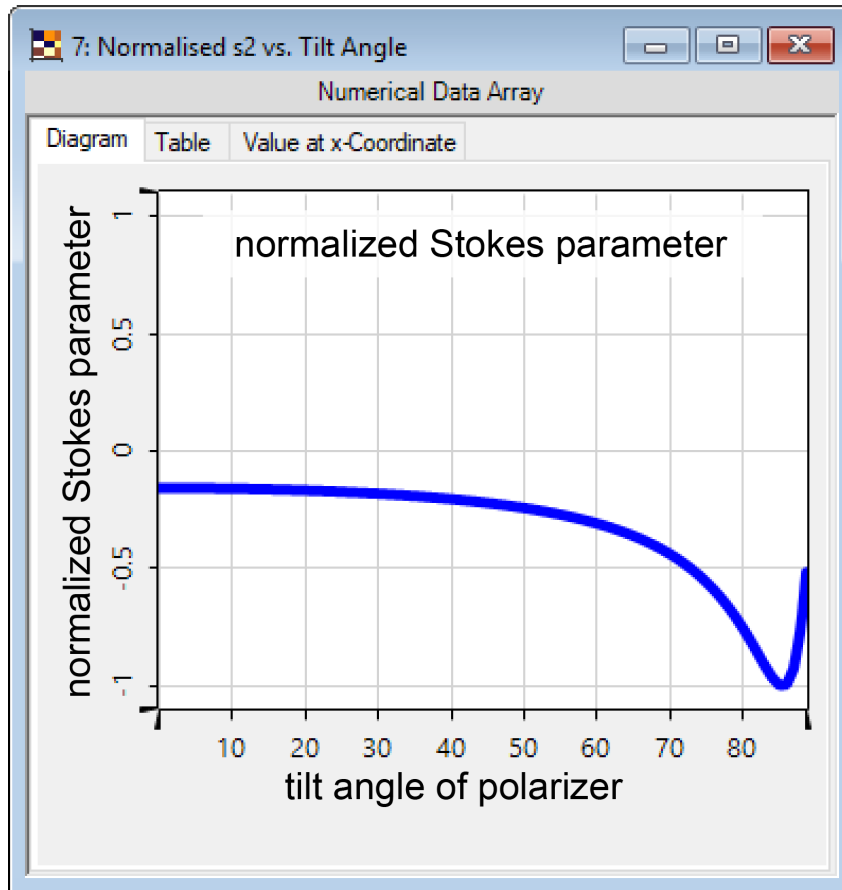


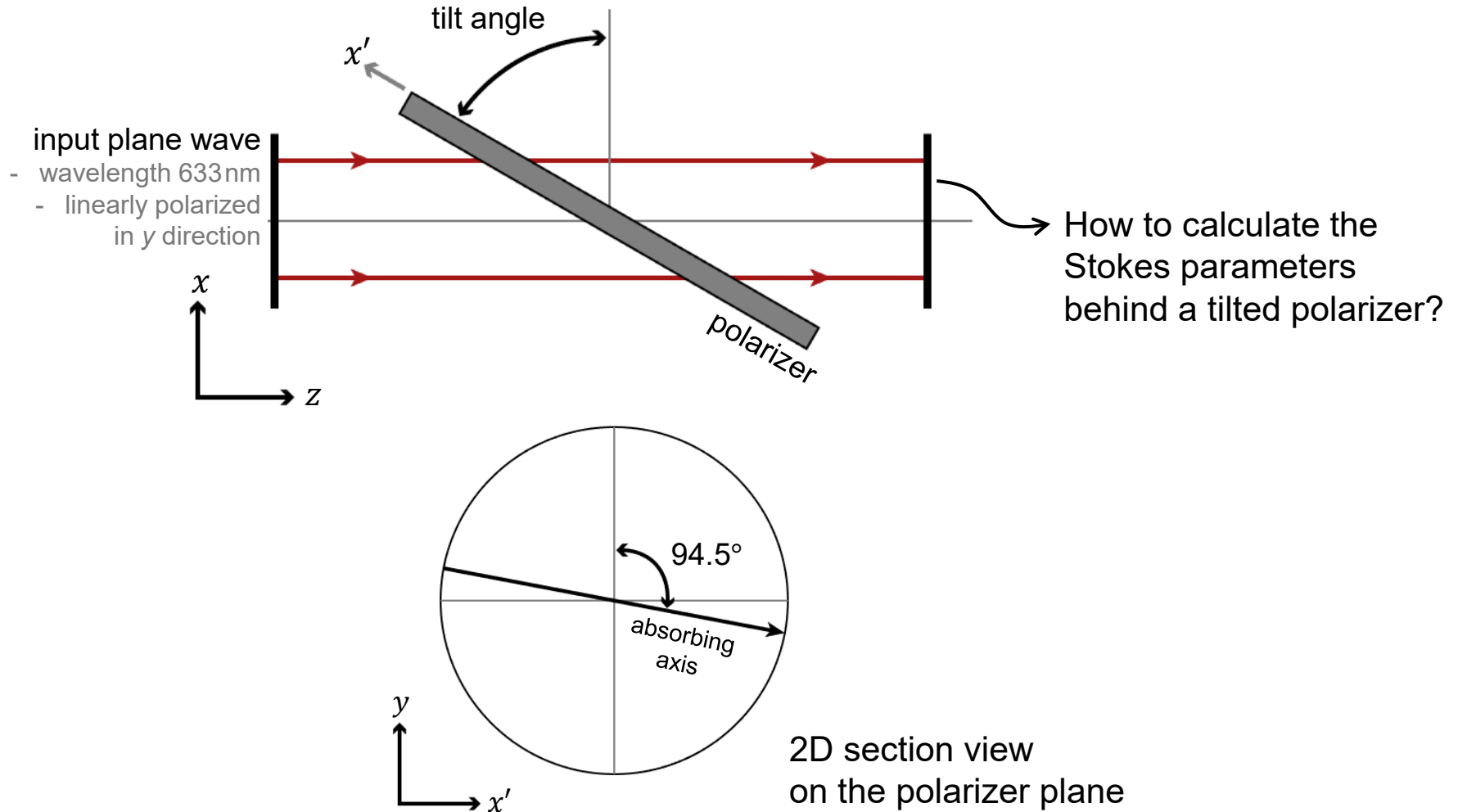
# Stokes Parameters Measurement behind a Tilted Polarizer

# Abstract

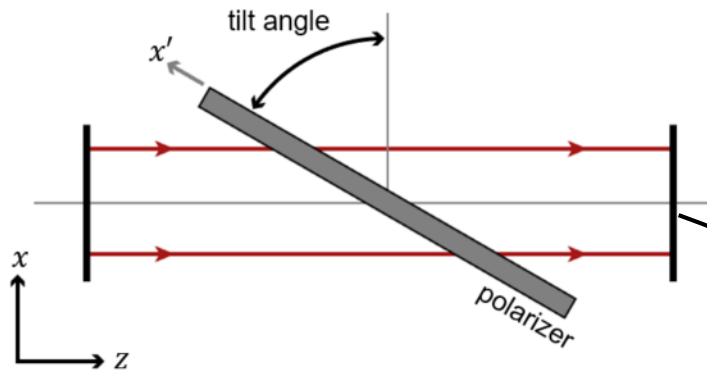


Polarizers are common components in various optical systems. To describe the functions of a polarizer, not only for the paraxial case but also beyond, an idealized model is implemented for non-paraxial cases in VirtualLab Fusion. As an example, the interaction of a polarizer with incident wave from different angles is investigated. The resulting field behind the polarizer is characterized by Stokes parameters.

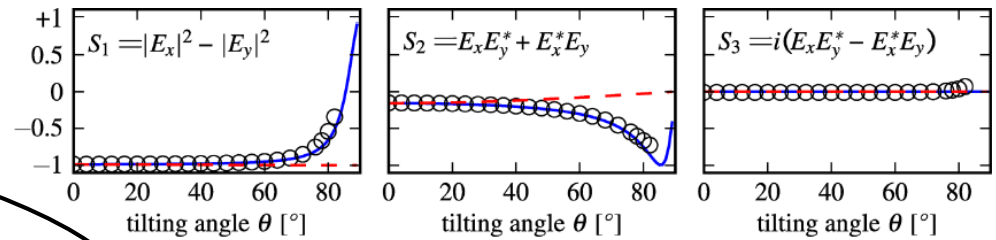
# Modeling Task



# Results

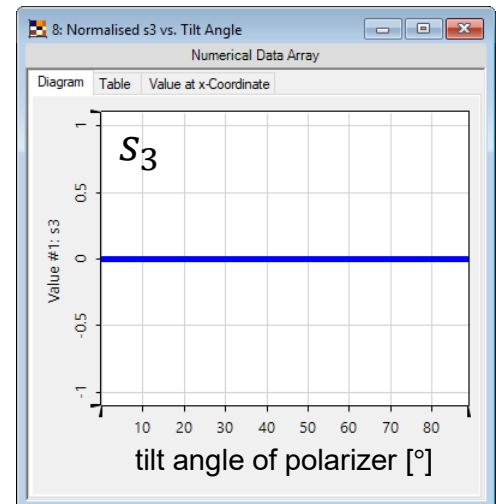
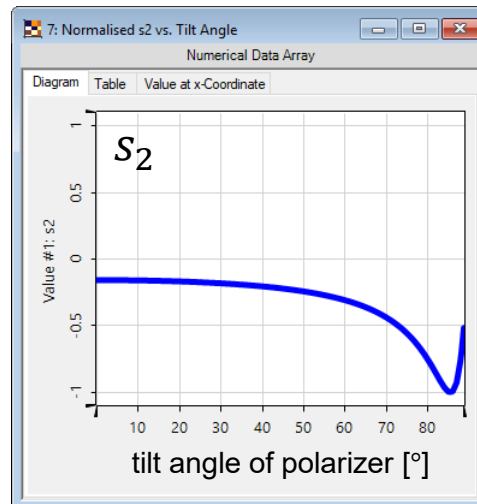
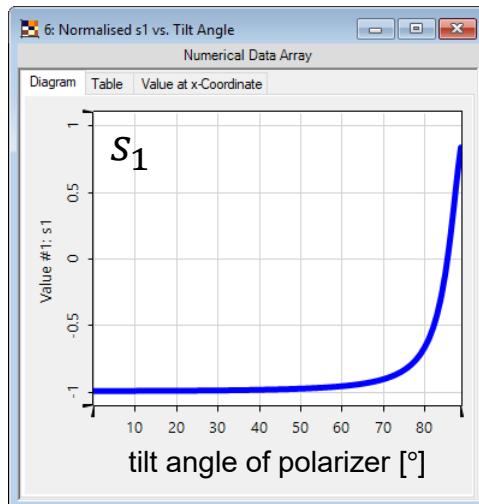


Experimental data from J. Koger, *et al.*, Opt. Express **21**(22), 27032–27042 (2013).



Test over 90 degrees takes 40 seconds

normalized Stokes parameters



# Document Information

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title	Stokes Parameters Measurement behind a Tilted Polarizer
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VL version used for simulations	7.0.3.4
category	Technology Use Case

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