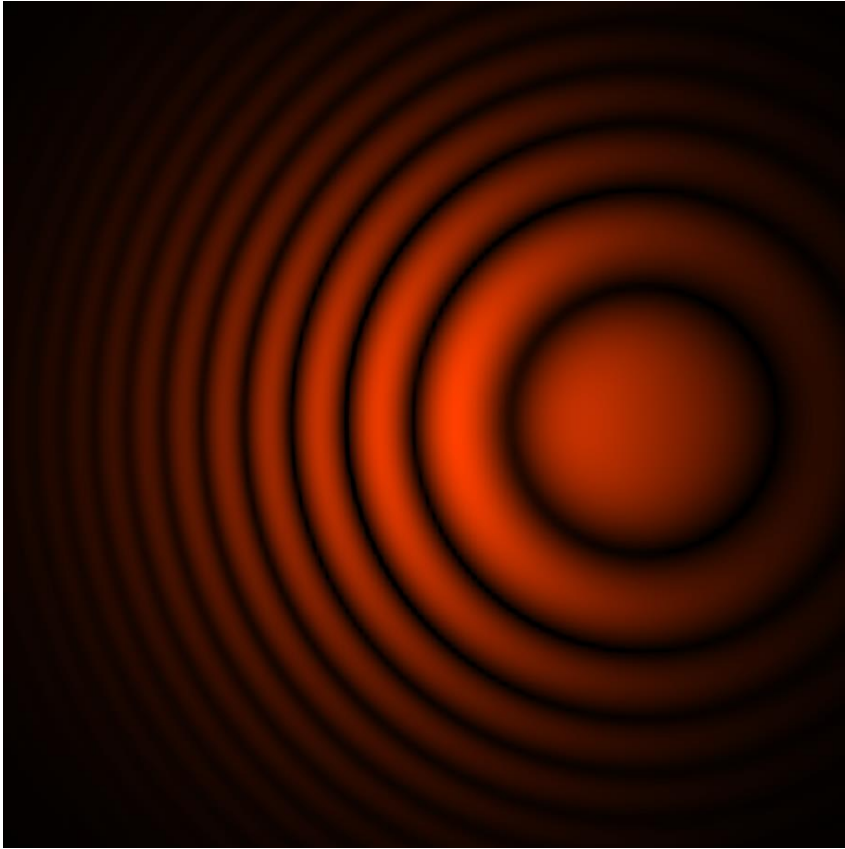


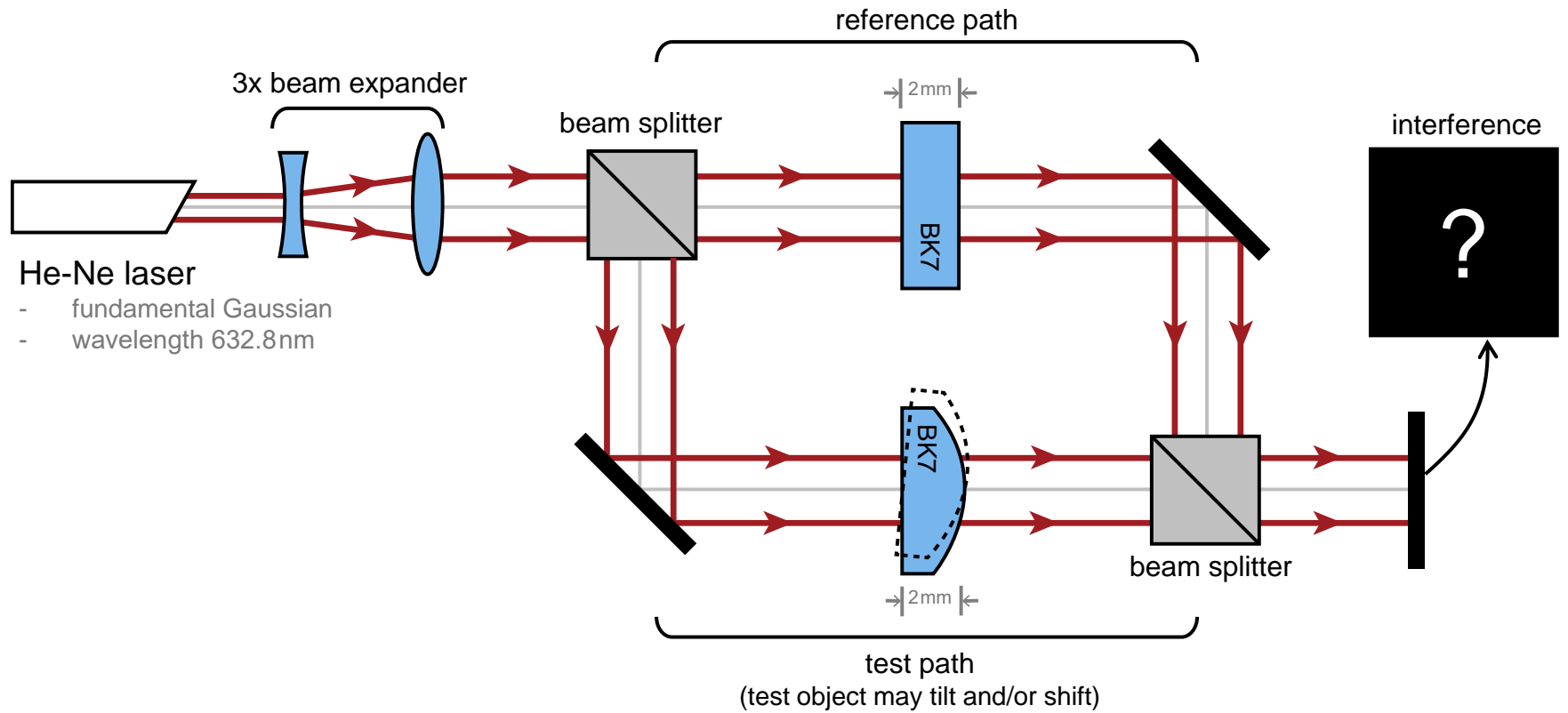
# Mach-Zehnder Interferometer

# Abstract

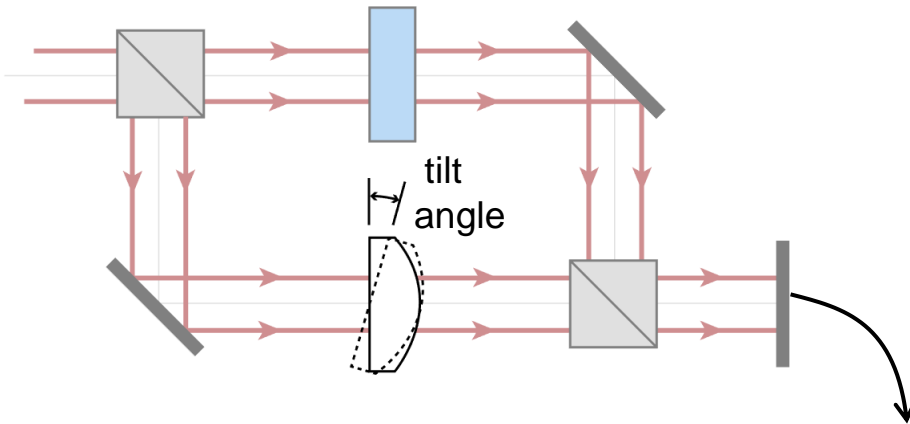


Interferometry is an important technique for optical metrology. It is widely used for the measurements of e.g. surface profile, defects, mechanical and thermal distortion with high precision. As a typical example, a Mach-Zehnder interferometer with coherent laser source is build up in VirtualLab, and especially it is demonstrated that how the tilt and shift of an optical elements may affect the interference pattern.

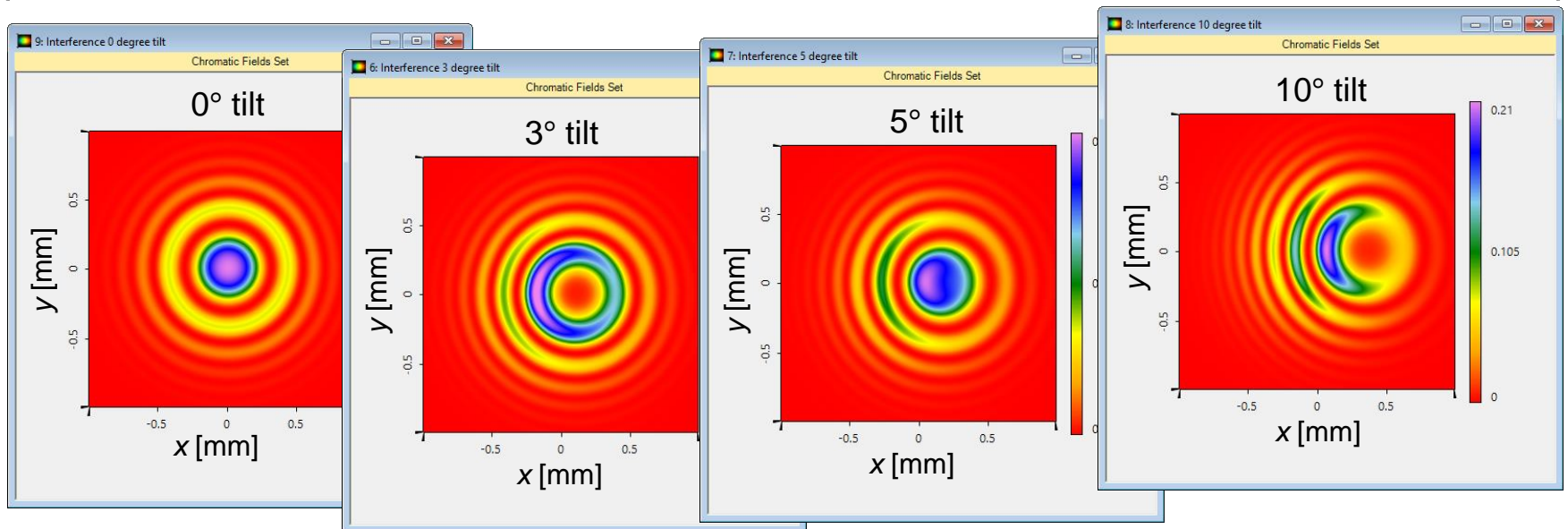
# Modeling Task



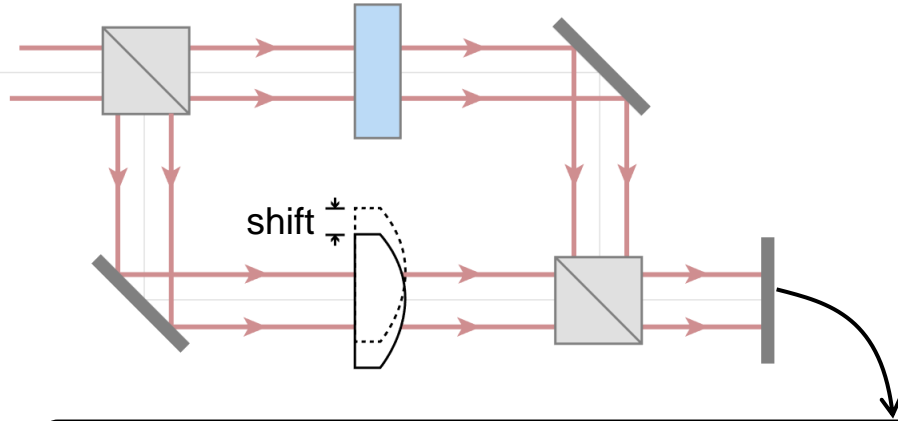
# Results



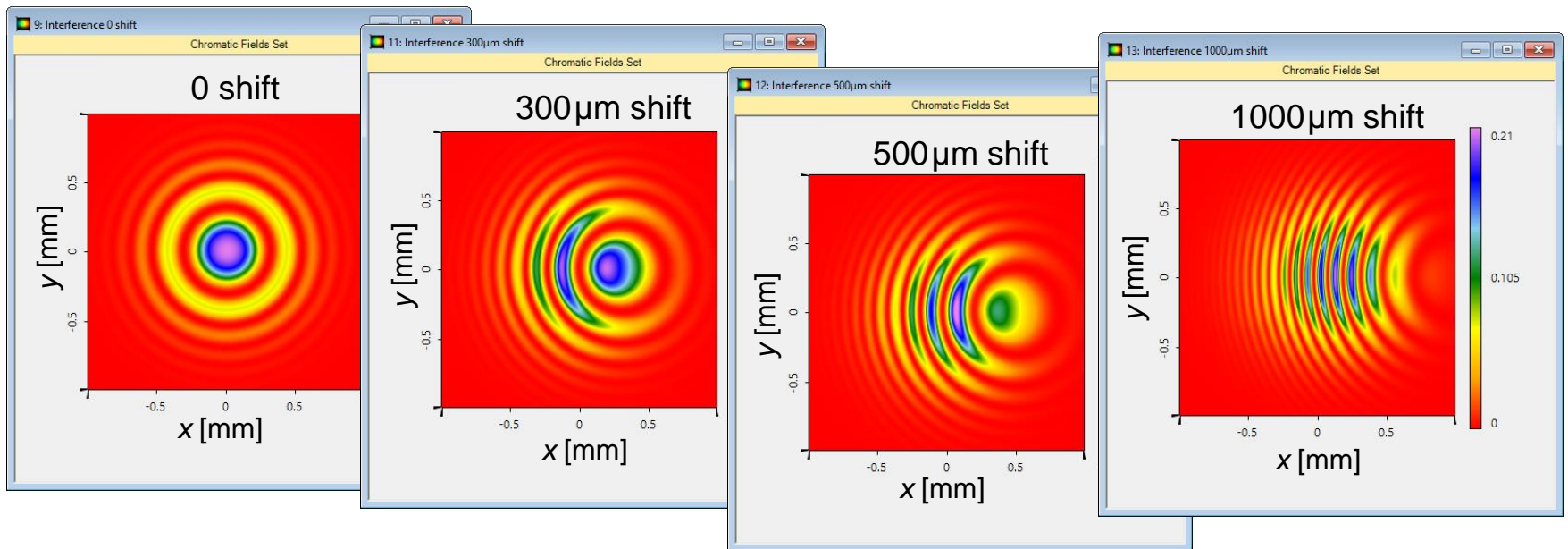
Calculation of interference pattern including element tilt takes less than 2 seconds!



# Results



Calculation of interference pattern including element shift takes less than 2 seconds!



# Document Information

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title	Mach-Zehnder Interferometer
version	1.0
VL version used for simulations	7.0.3.4
category	Application Use Case

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