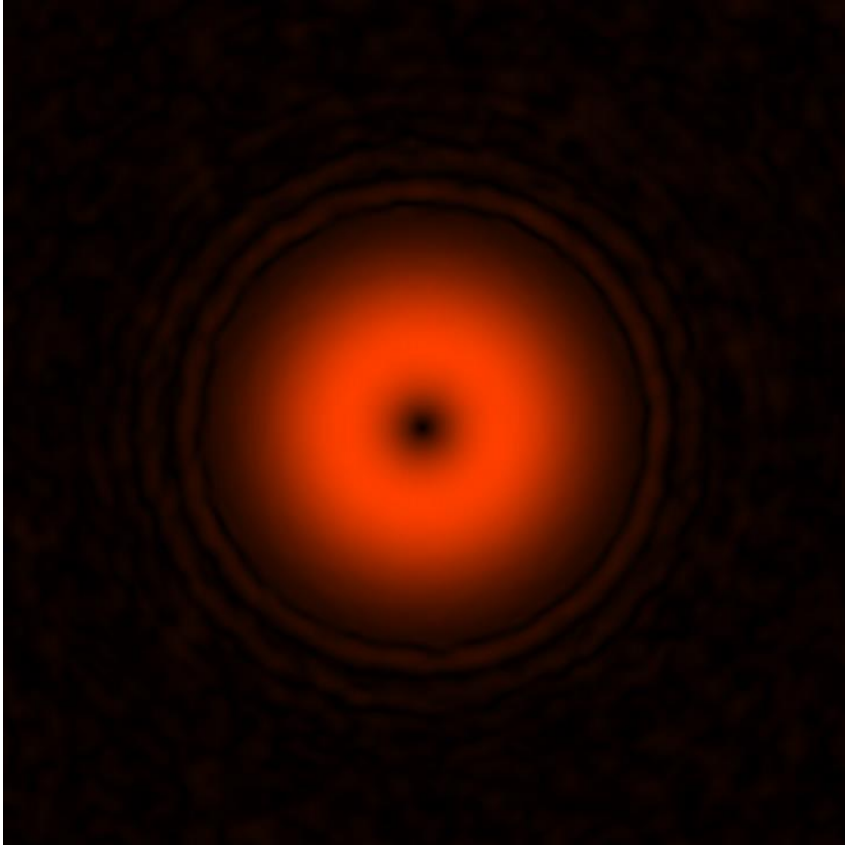


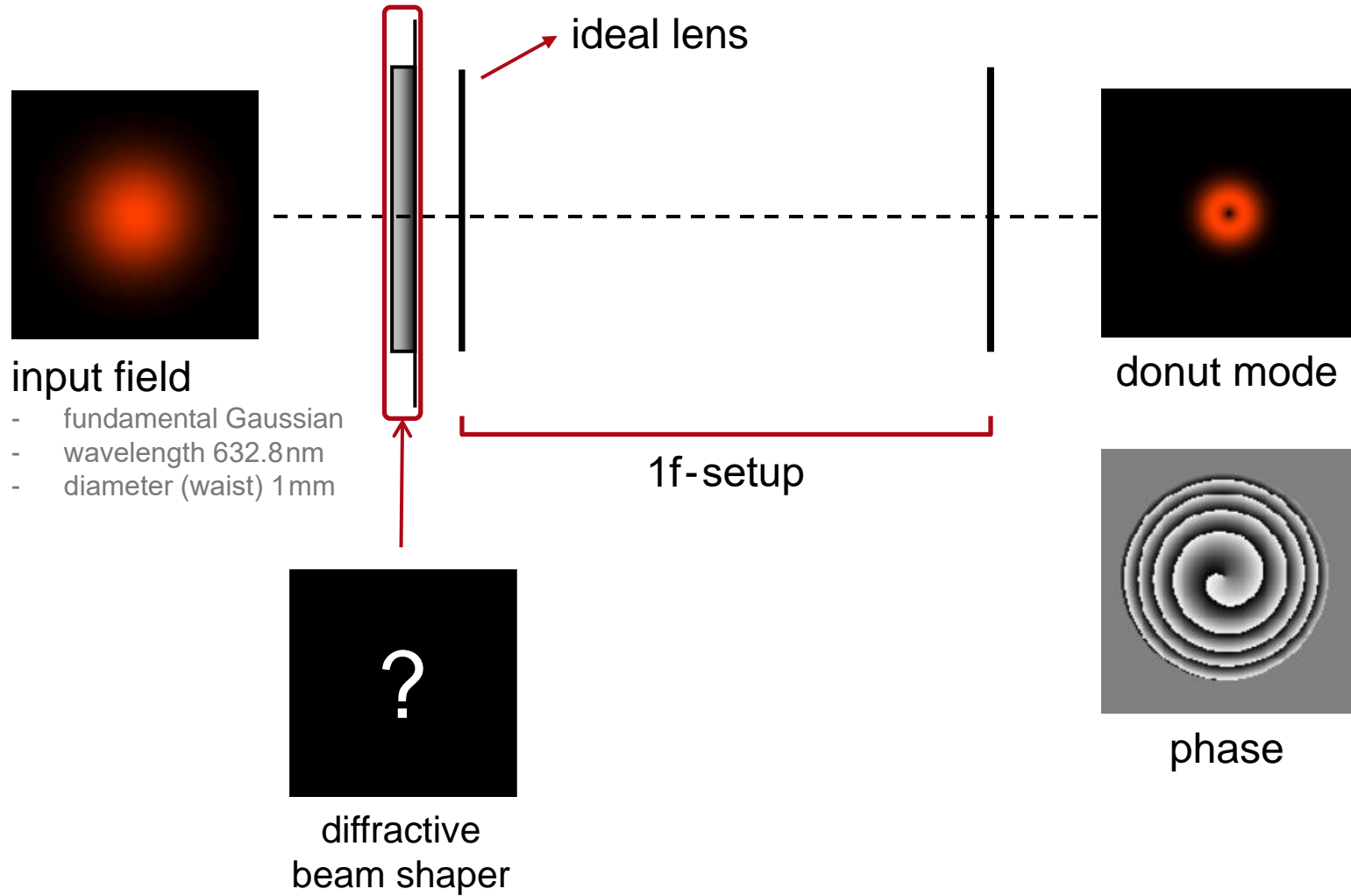
# **Shaping a Gaussian Laser Beam into a Donut Mode**

# Abstract

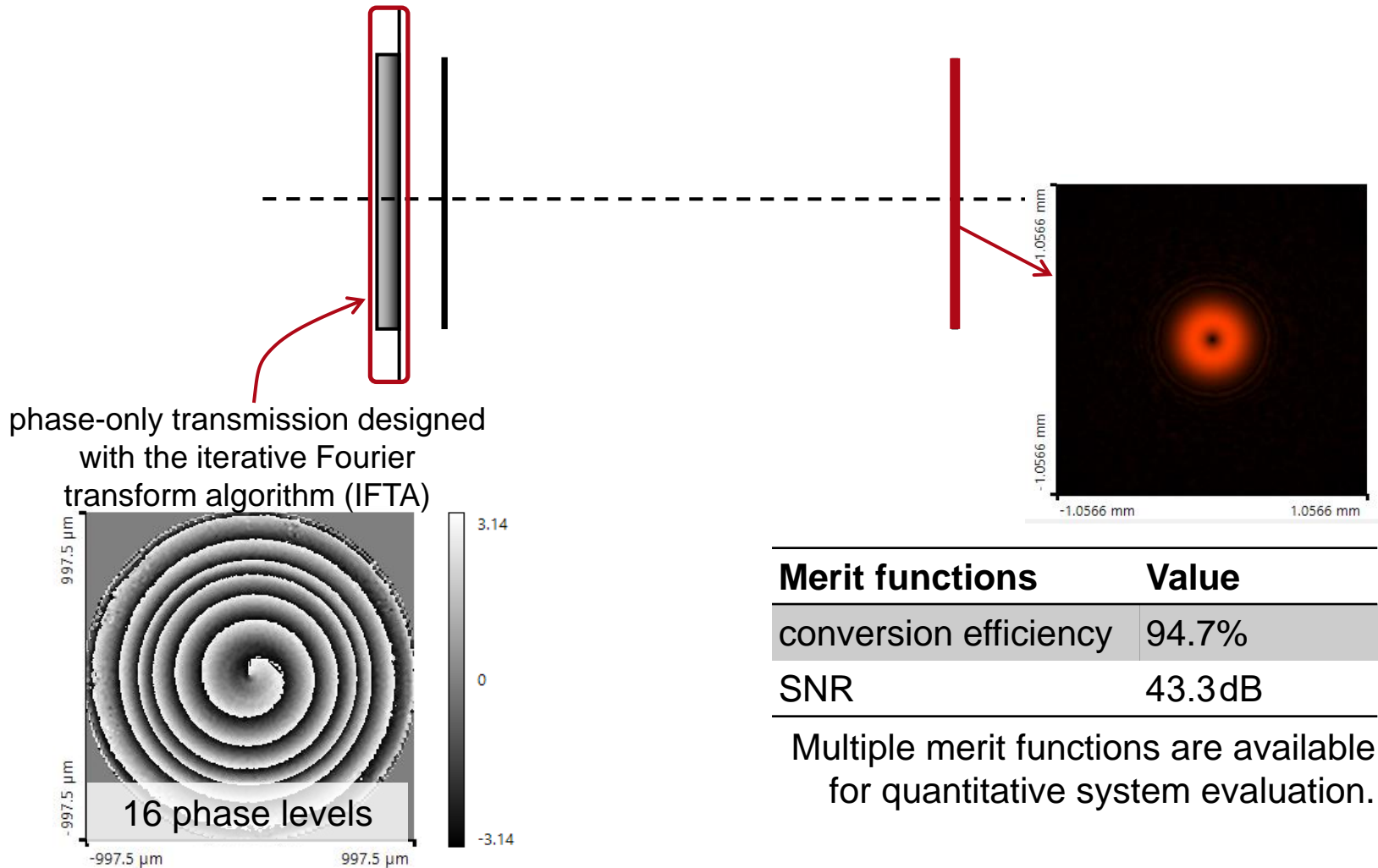


Diffractive beam shapers are of great use for various applications. With the iterative Fourier transform algorithm (IFTA) in VirtualLab, customized beam shaper design for any target beam is enabled. In this example, the design of a 16-level phase-only beam shaper is designed for generating a hollow shape donut mode, with optical vortex phase distribution. The performance of the designed beam shaper is also quantitatively evaluated.

# Design Task



# Results



# Document Information

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title	Shaping a Gaussian Laser Beam into a Donut Mode
version	1.0
VL version used for simulations	7.0.3.4
category	Application Use Case

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