

Interference of a doughnut- and a tilted zero-order Gaussian beam.  
Forked interference pattern (Michelson interferometer) due to helical phase of doughnut mode.

Interference pattern



Phase distribution  
of the doughnut beam.



LightPipes for Python,  
Doughnut-mode-interference-tilt.py

$\lambda = 632.8 \text{ nm}$

$size = 10.00 \text{ mm}$

$N = 300$

$w_0 = 3.00 \text{ mm}$

$z_1 = 10.0 \text{ cm}$

$z_2 = 8.0 \text{ cm}$

$t_x = 1.00 \text{ mrad}$

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