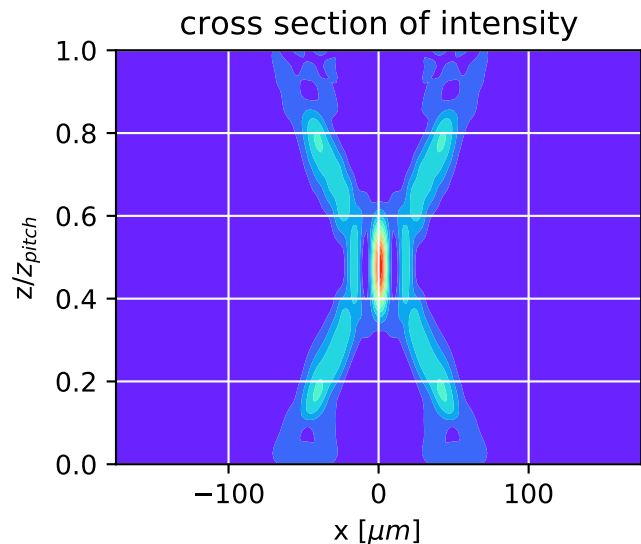


# Propagation of two beams in a GRIN lens



LightPipes for Python,  
GRIN\_demo.py

SELFOC GRIN lens(<https://www.gofoton.com/>)

$\lambda = 1310.0 \text{ nm}$

$\text{size} = 350.00 \mu\text{m}$

$N = 200$

$n_0 = 1.5916$

$\sqrt{A} = 0.597 \text{ mm}^{-1}$

$\text{pitch} = 0.75$

$z_{\text{pitch}} = 7.89 \text{ mm}$

$dz = 100.00 \mu\text{m}$

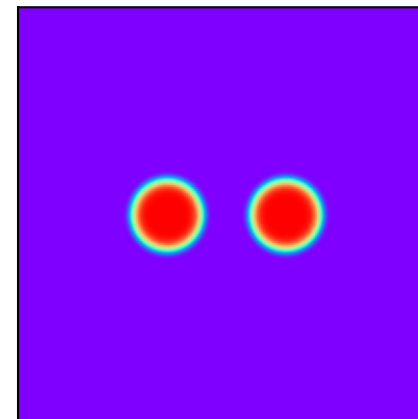
$x_{\text{shift}} = 50.00 \mu\text{m}$

$y_{\text{shift}} = 0.00 \mu\text{m}$

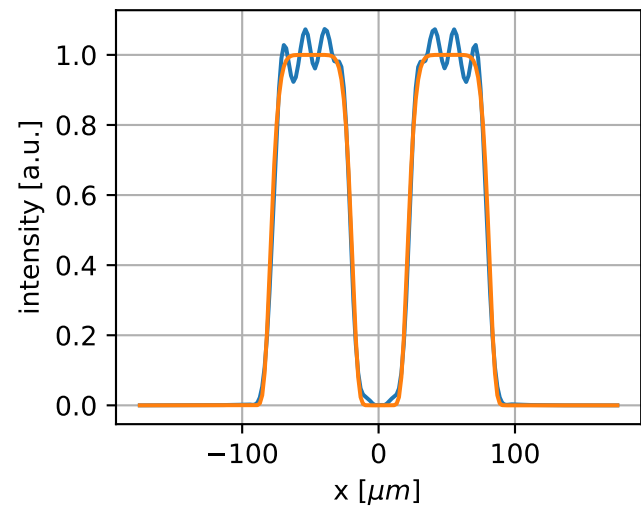
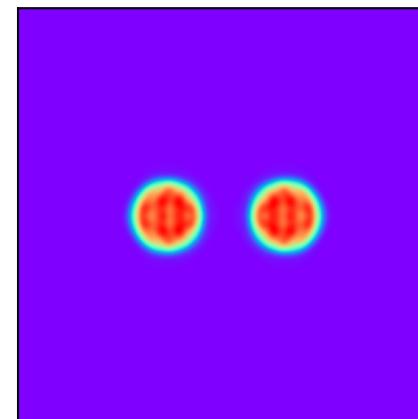
$w_0 = 23.53 \mu\text{m}$

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Input



Output



— Output  
— Input