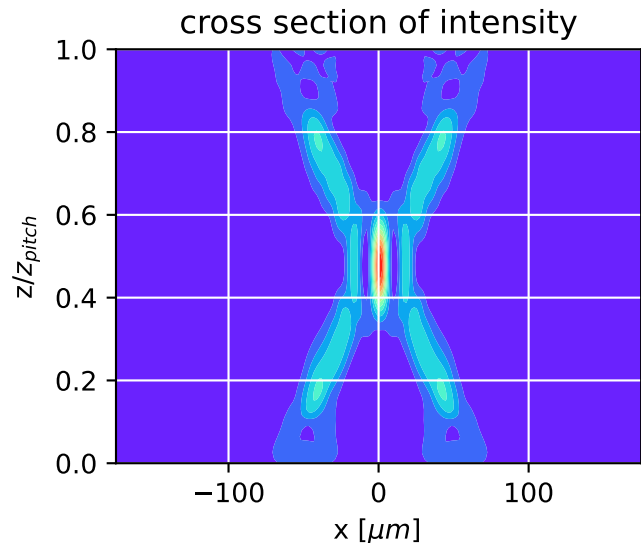


# Propagation of two beams in a GRIN lens



LightPipes for Python,  
GRIN\_demo.py

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

$\lambda = 1310.0 \text{ nm}$

$size = 350.00 \mu m$

$N = 200$

$n_0 = 1.5916$

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

$pitch = 0.75$

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

$dz = 100.00 \mu m$

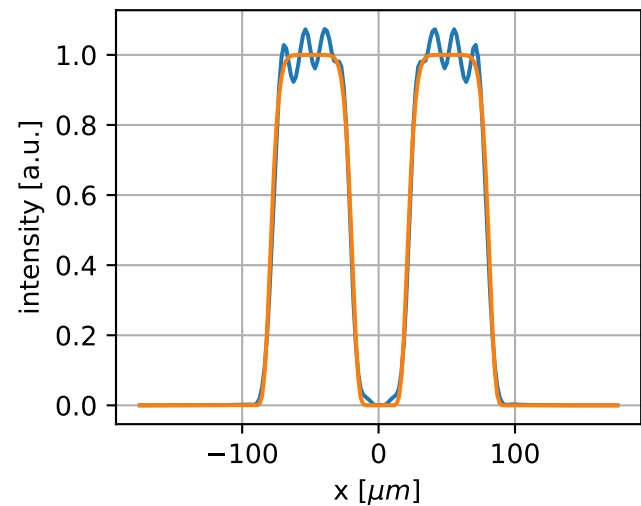
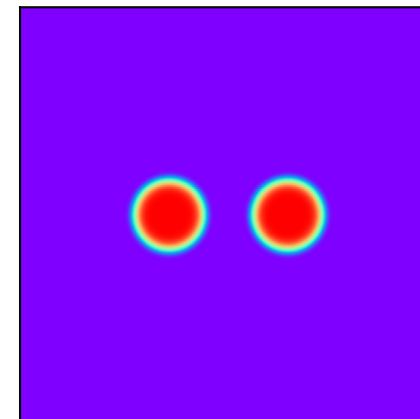
$x_{shift} = 50.00 \mu m$

$y_{shift} = 0.00 \mu m$

$w_0 = 23.53 \mu m$

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Input



Output

