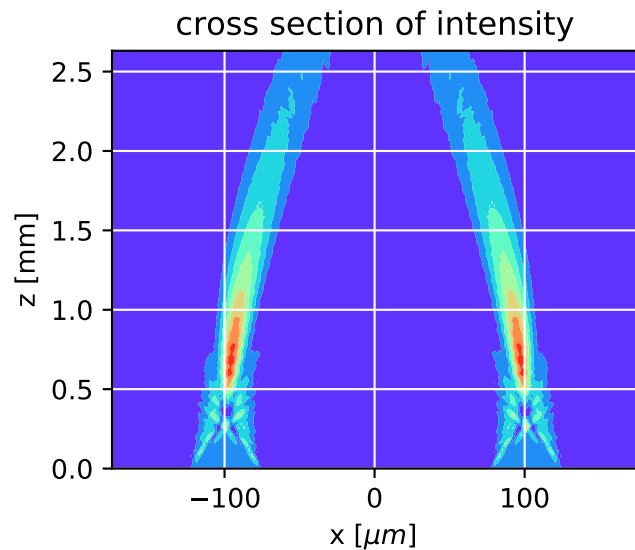


# Young's interferometer with a GRIN lens



LightPipes for Python,  
GRIN\_Young.py

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

$\lambda = 1310.0 \text{ nm}$

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

$N = 200$

$n_0 = 1.5916$

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

pitch = 0.25

$z_{\text{pitch}} = 2.63 \text{ mm}$

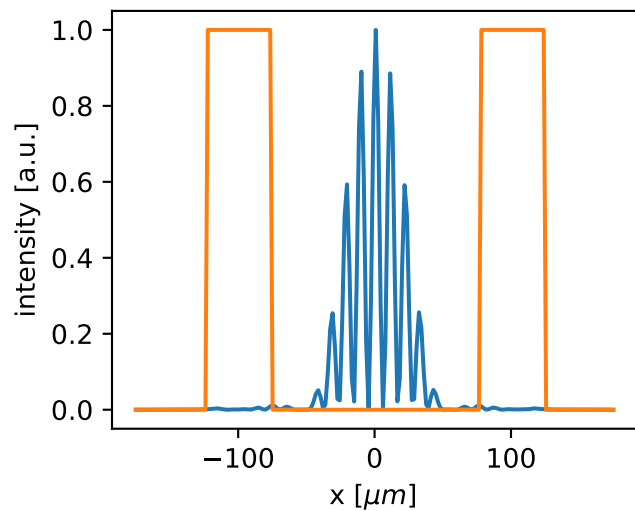
$dz = 10.00 \mu\text{m}$

$x_{\text{shift}} = 100.00 \mu\text{m}$

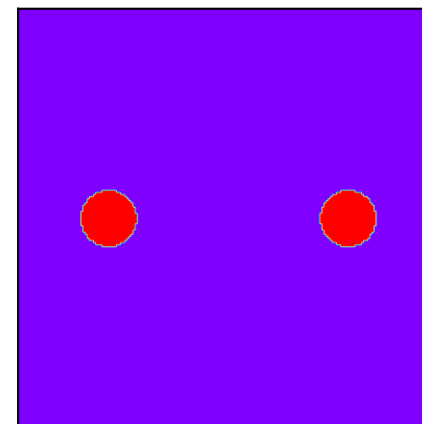
$y_{\text{shift}} = 0.00 \mu\text{m}$

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

© Fred van Goor, May 2020



Input



Output

