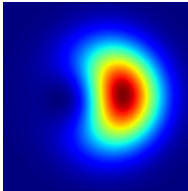
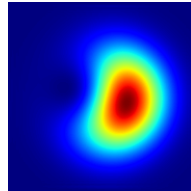


Interference of a collinear doughnut- and a zero-order Gaussian beam.  
Rotating spot due to Michelson arm length scan.

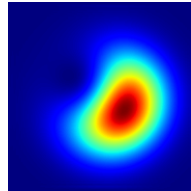
$z/\lambda = 0.00$



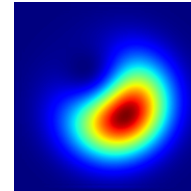
$z/\lambda = 0.05$



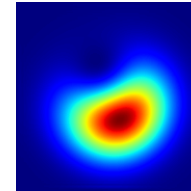
$z/\lambda = 0.10$



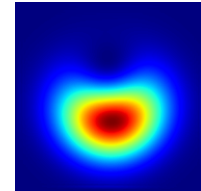
$z/\lambda = 0.15$



$z/\lambda = 0.20$



$z/\lambda = 0.25$



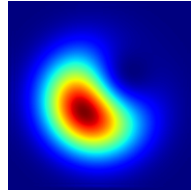
$z/\lambda = 0.30$



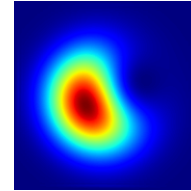
$z/\lambda = 0.35$



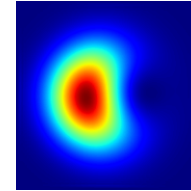
$z/\lambda = 0.40$



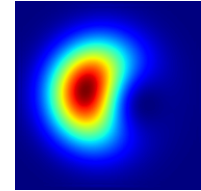
$z/\lambda = 0.45$



$z/\lambda = 0.50$



$z/\lambda = 0.55$



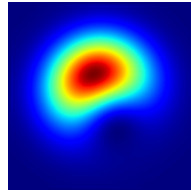
$z/\lambda = 0.60$



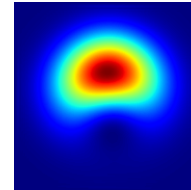
$z/\lambda = 0.65$



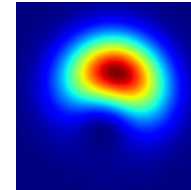
$z/\lambda = 0.70$



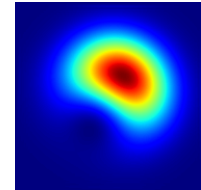
$z/\lambda = 0.75$



$z/\lambda = 0.80$



$z/\lambda = 0.85$



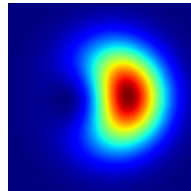
$z/\lambda = 0.90$



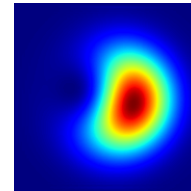
$z/\lambda = 0.95$



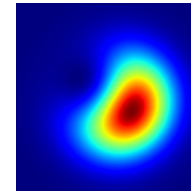
$z/\lambda = 1.00$



$z/\lambda = 1.05$



$z/\lambda = 1.10$



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

$\lambda = 632.8 \text{ nm}$   
 $\text{size} = 10.00 \text{ mm}$   
 $N = 300$   
 $R = 3.00 \text{ mm}$   
 $z_1 = 10.0 \text{ cm}$   
 $z_2 = 8.0 \text{ cm}$   
 $\Delta z = 0.05 \lambda$

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