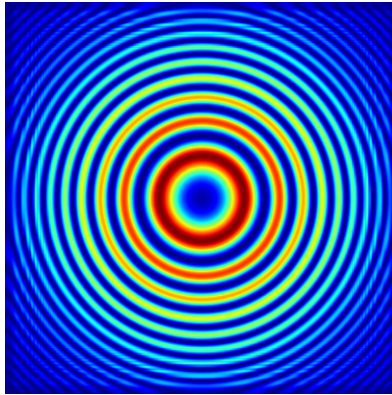


intensity pattern



## LightPipes for Python 2.1.5

### Michelson interferometer with a lens in one arm

Michelson.py

size = 15.00 mm

$\lambda = 0.63 \mu\text{m}$

N = 500

R = 9.00 mm beam radius of the laser

z1 = 80.00 mm length of arm 1

z2 = 70.00 mm length of arm 2

z3 = 30.00 mm distance from the laser to the beam splitter

z4 = 50.00 mm distance from the beam splitter to the screen

tx, ty = 0.00, 0.00 mrad tilt of mirror 2

$f_{lens} = 500.00$  cm focal length of the lens in arm 2

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