

# Generation of an Airy beam.

References:

- (1) G.A. Siviloglou, J. Broky, A. Dogariu and D.N. Christodoulides, Phys. Rev. Lett, 99,213901(2007)
- (2) T. Latychevskaia, D. Schachtler, and H.W. Fink, Appl. Optics, 55, 6095-6101(2016)

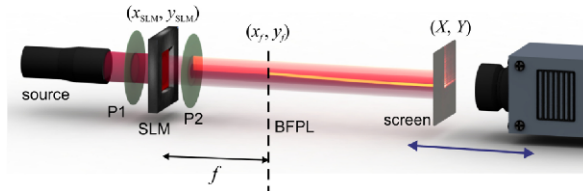
LightPipes for Python,  
AiryBeam.py

Parameters from ref 2:

$\lambda = 650.0 \text{ nm}$   
 $\text{size} = 19.97 \text{ mm}$   
 $N = 624$   
 $w_0 = 10.00 \text{ mm}$   
 $f = 80.00 \text{ cm}$   
 $\beta = 117.00 \text{ m}^{-1}$

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figure 1 from reference 2



## Phase distribution SLM

