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:
$\lambda = 650.0\ nm$
$size = 19.97\ mm$
$N = 624$
$w_0 = 10.00\ mm$
$f = 80.00\ cm$
$\beta = 117.00\ m^{-1}$
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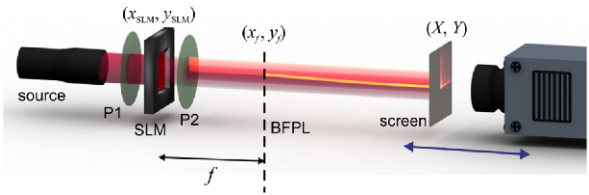
figure 1 from reference 2



Phase distribution SLM