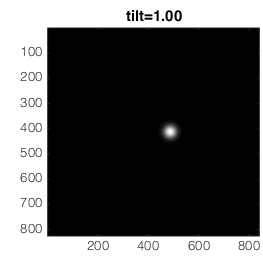
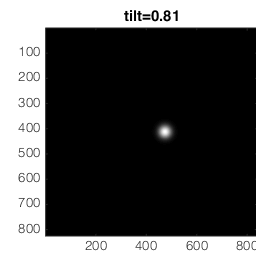
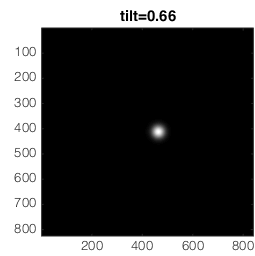
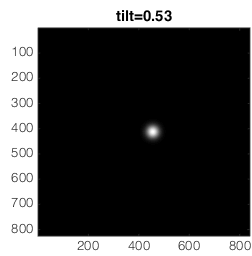
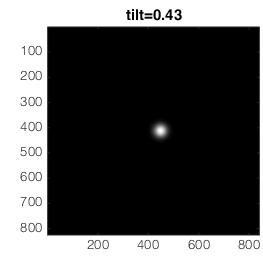
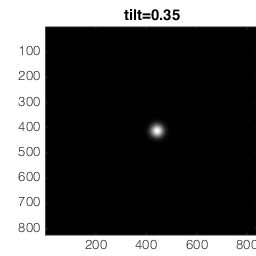
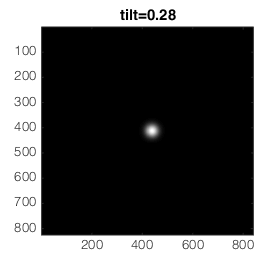
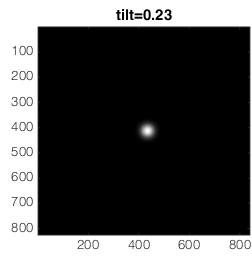
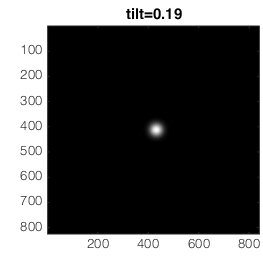
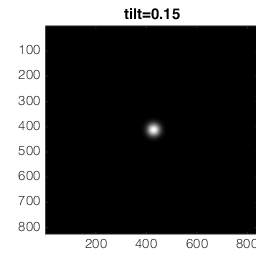
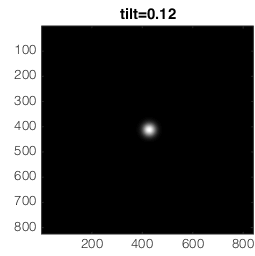
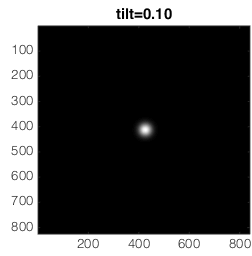


Section 3

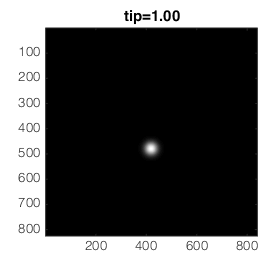
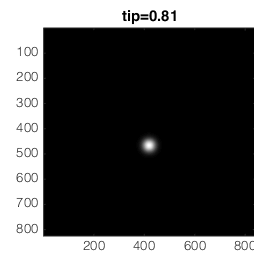
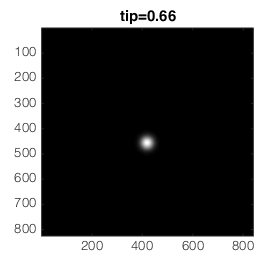
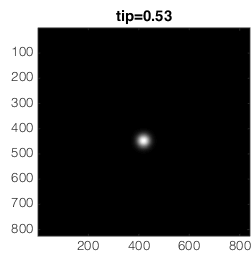
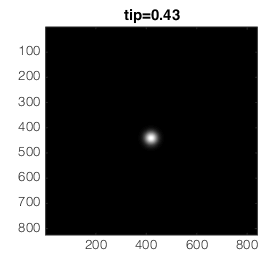
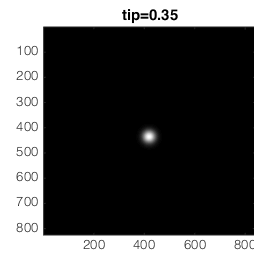
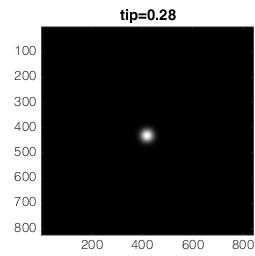
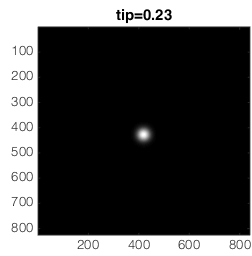
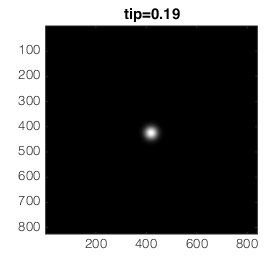
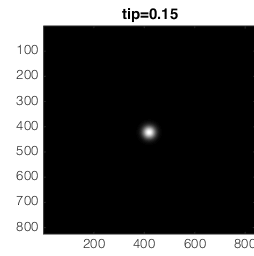
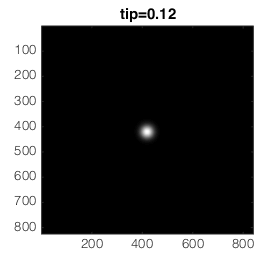
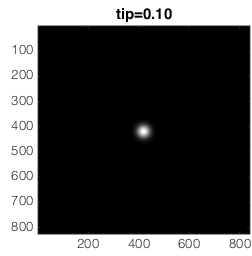
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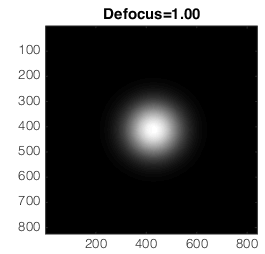
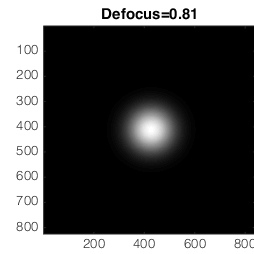
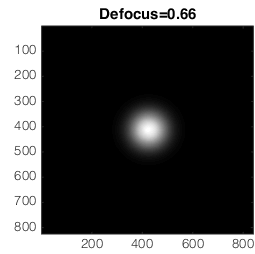
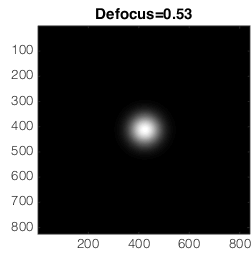
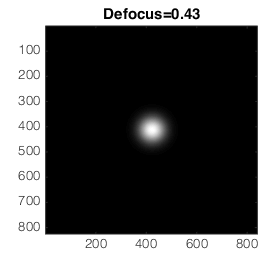
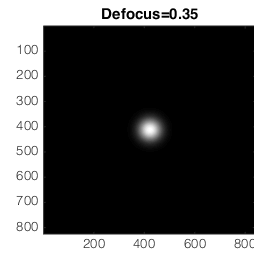
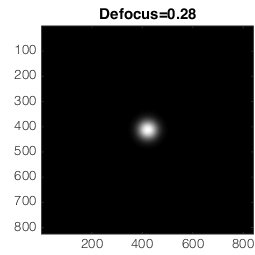
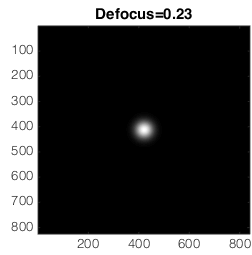
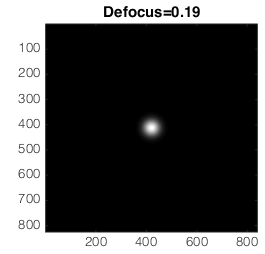
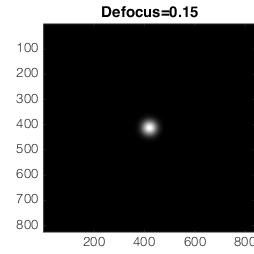
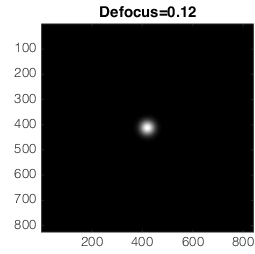
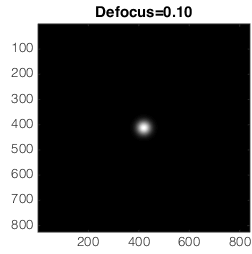
From Gaussian Beams: Tilt



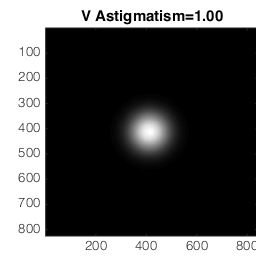
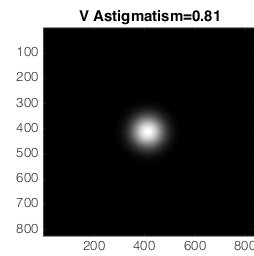
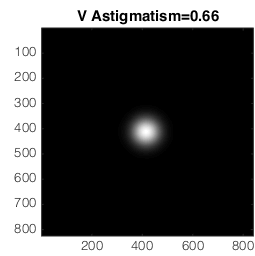
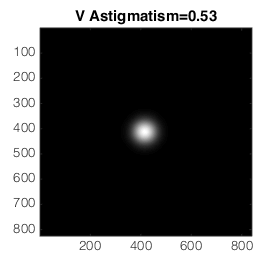
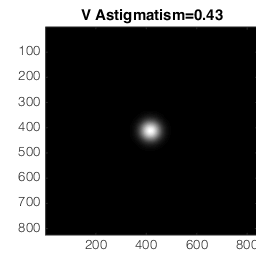
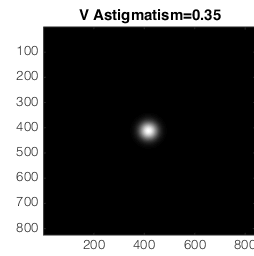
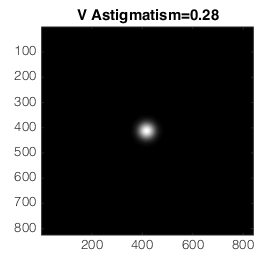
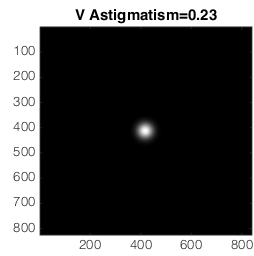
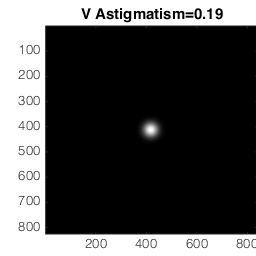
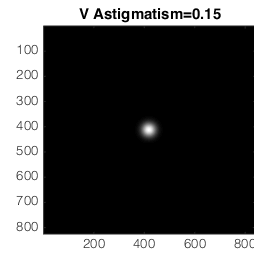
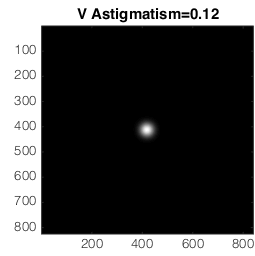
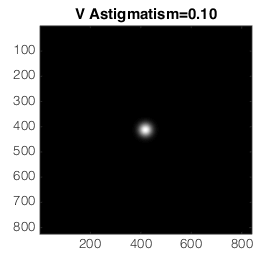
From Gaussian Beams: Tip



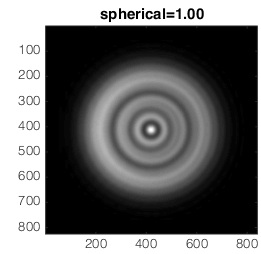
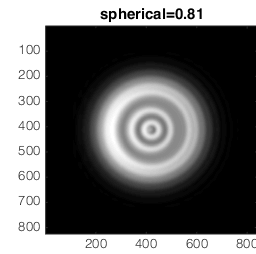
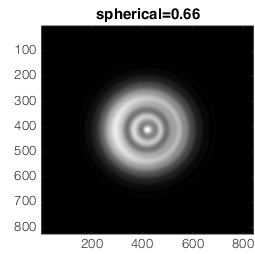
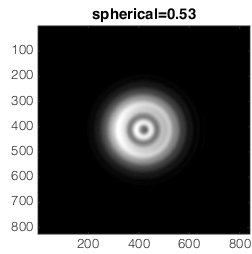
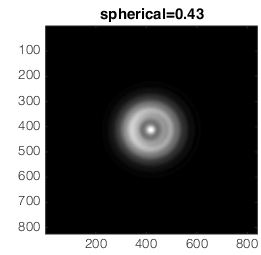
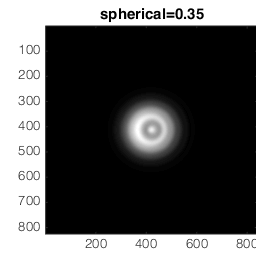
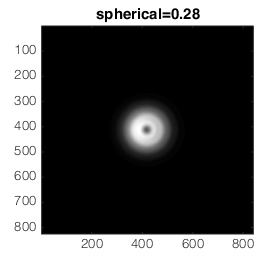
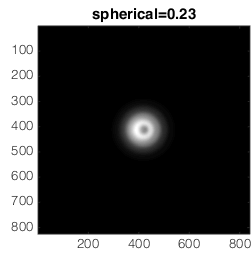
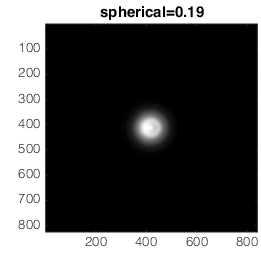
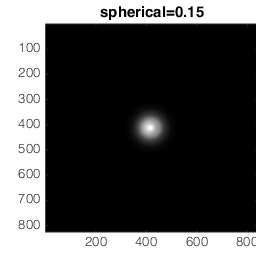
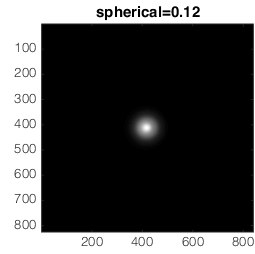
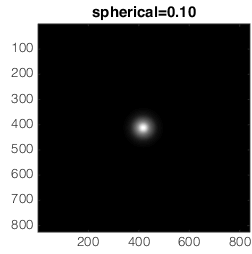
From Gaussian Beams: Defocus



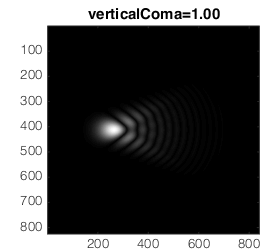
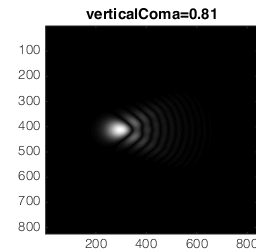
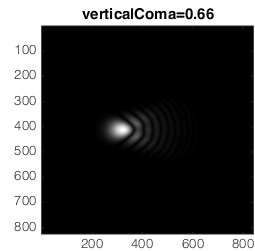
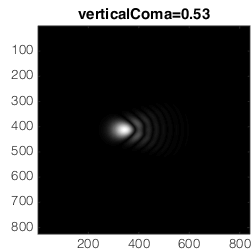
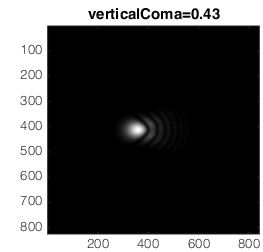
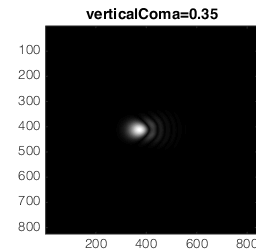
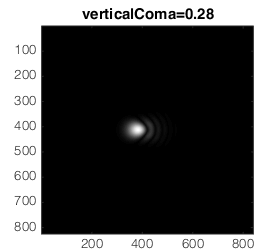
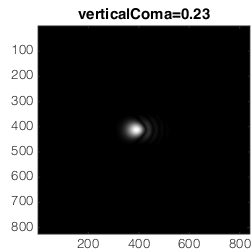
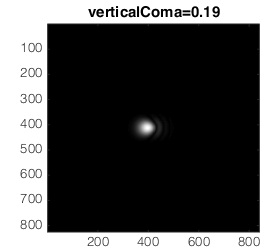
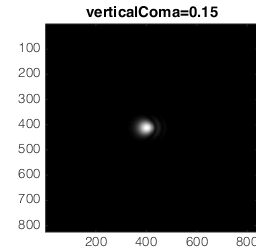
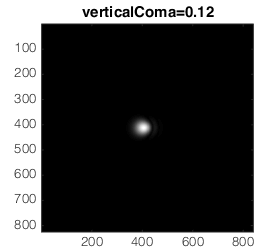
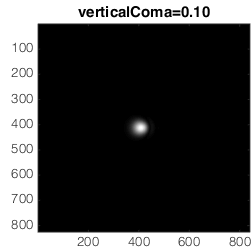
From Gaussian Beams: Astigmatism



From Gaussian Beams: Spherical



From Gaussian Beams: Coma



Aberration Bingo Time!

JK

Which Aberration is this?



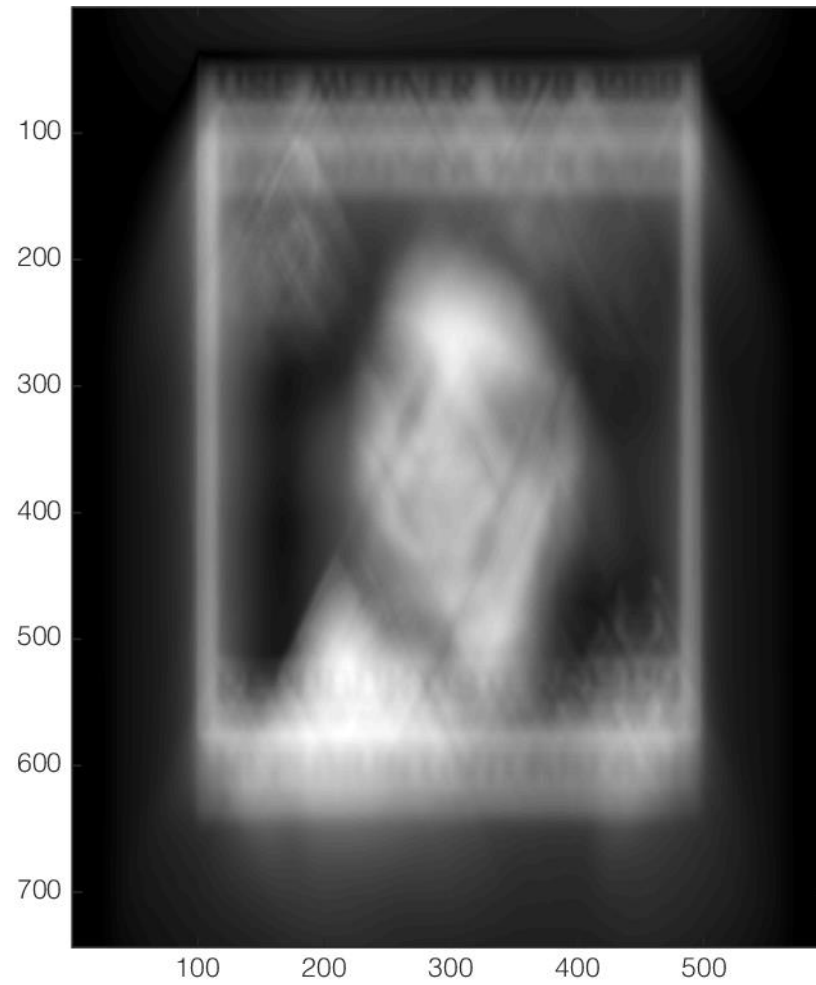
Which Aberration is this?



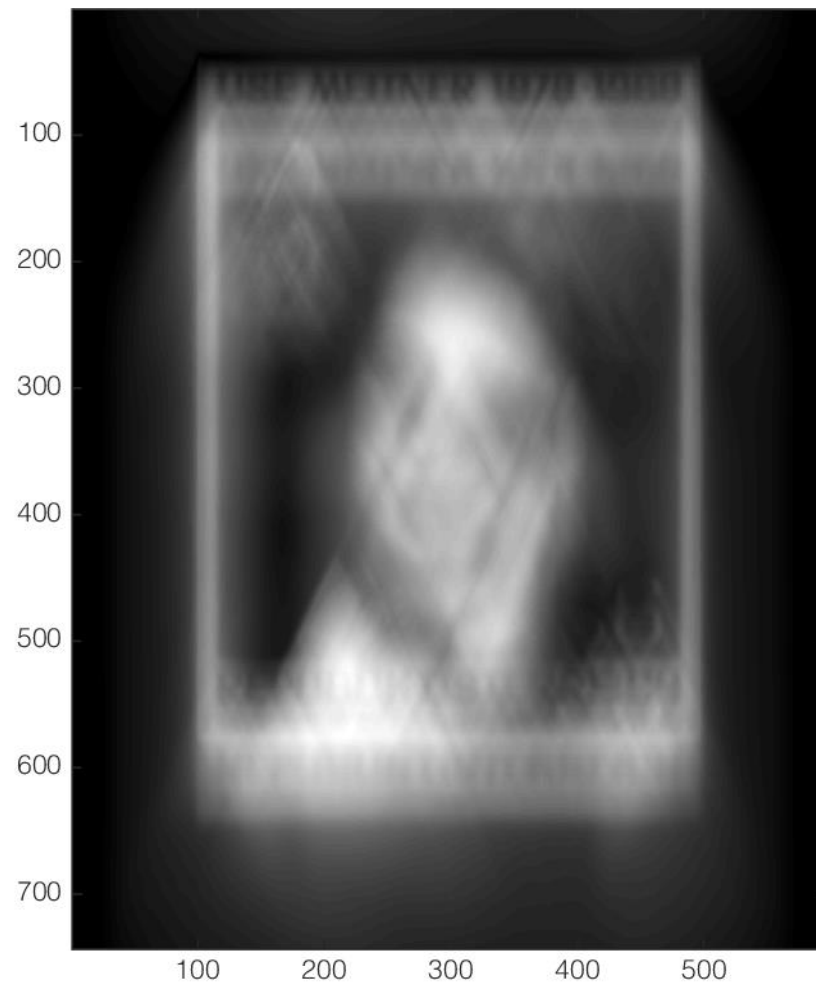
Defocus!



?



Coma!



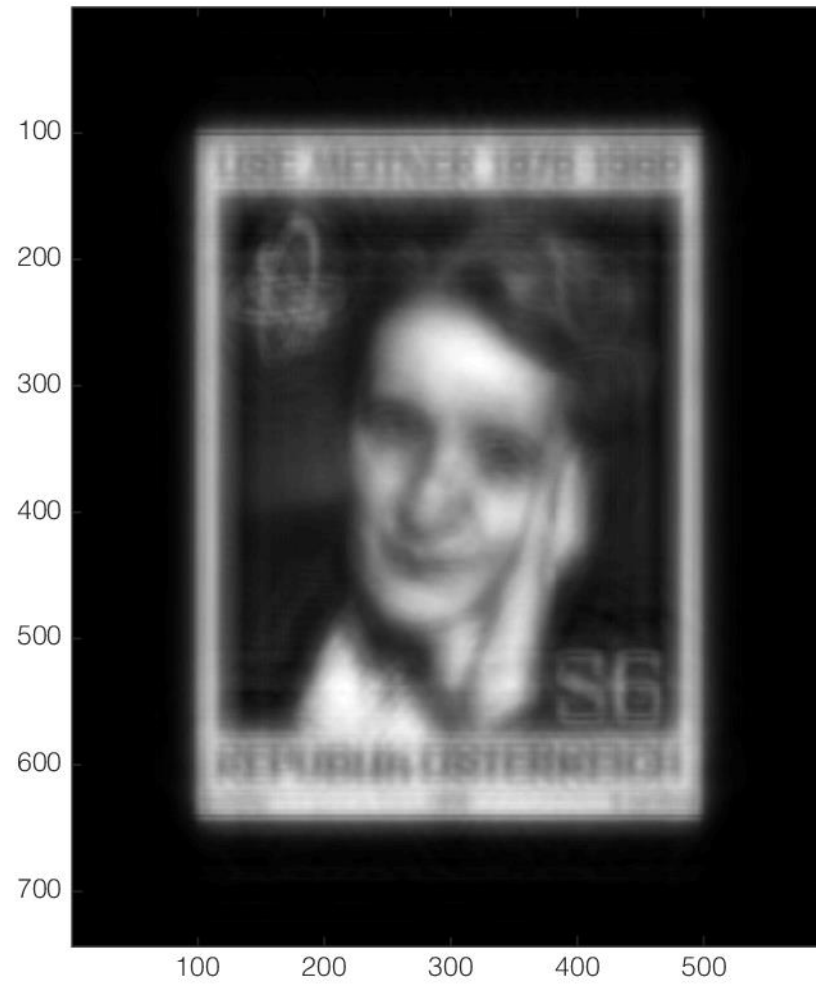
?



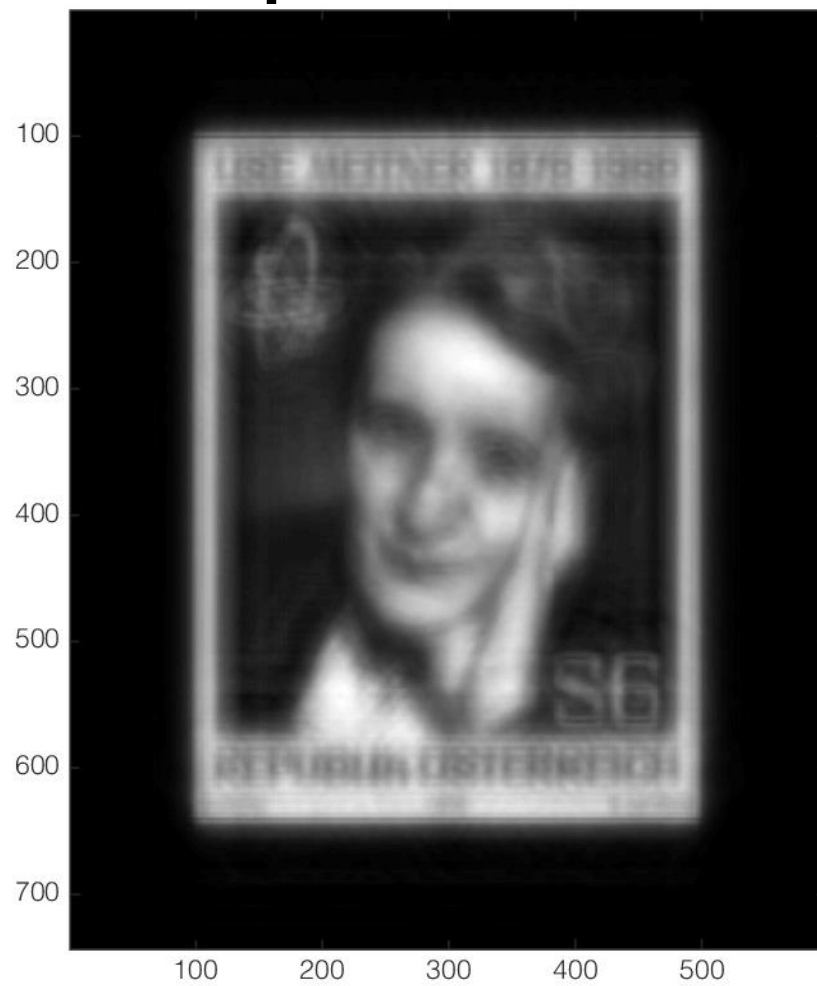
Astigmatism!



?



Spherical



Other “real world” examples

Snell's Window



Field Curvature

