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Gaussian Fitting

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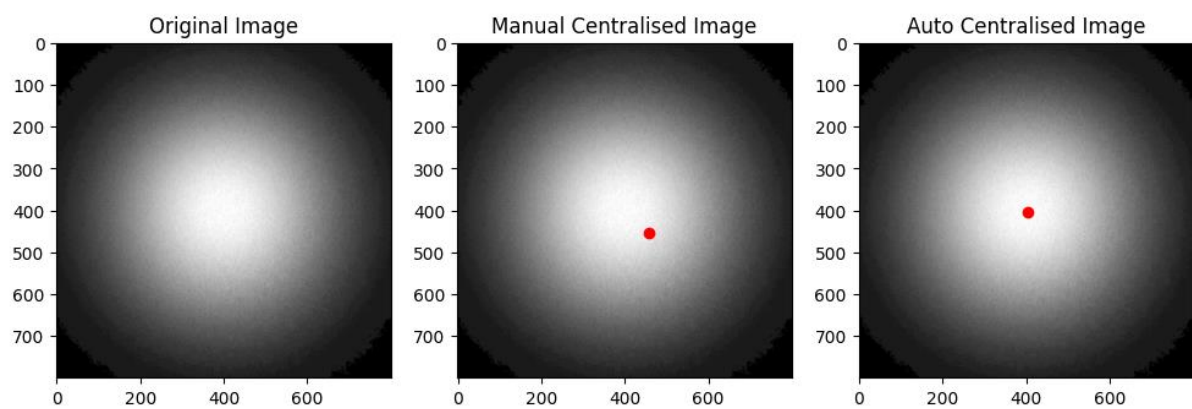
Gaussian fitting of the beam image

Introduction

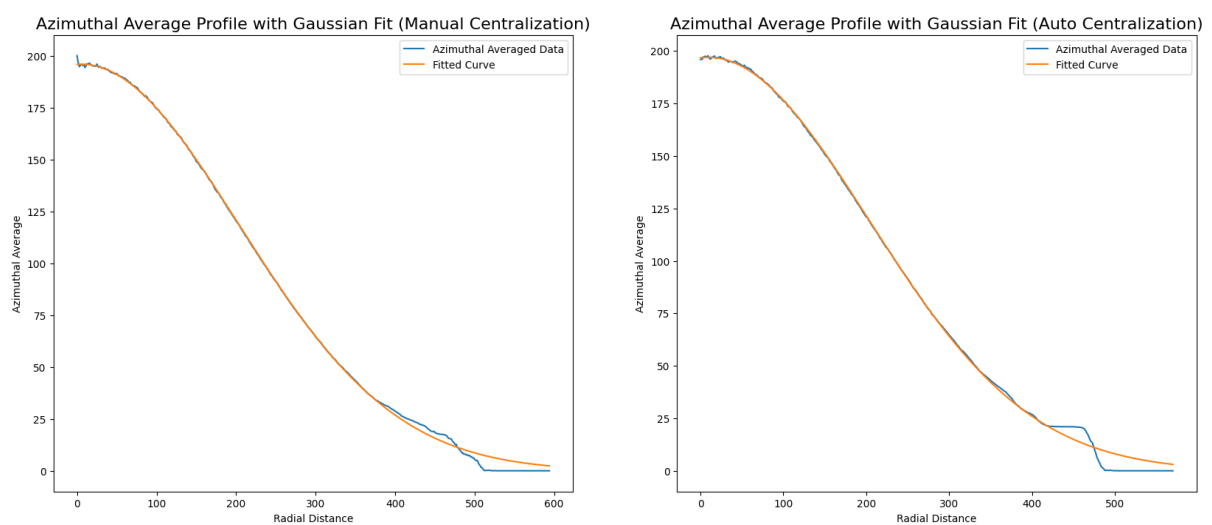
Apply azimuthal averaging to a beam image and fit Gaussian curve with mean and variance of azimuthal average.

Fitting

Make the image grayscale. Manually or automatically pick the center of the beam.



Apply azimuthal average to centralized image and fit Gaussian curve.



Generate gaussian beam image with mean and standard deviation of gaussian curve fitted with the azimuthal average.

