

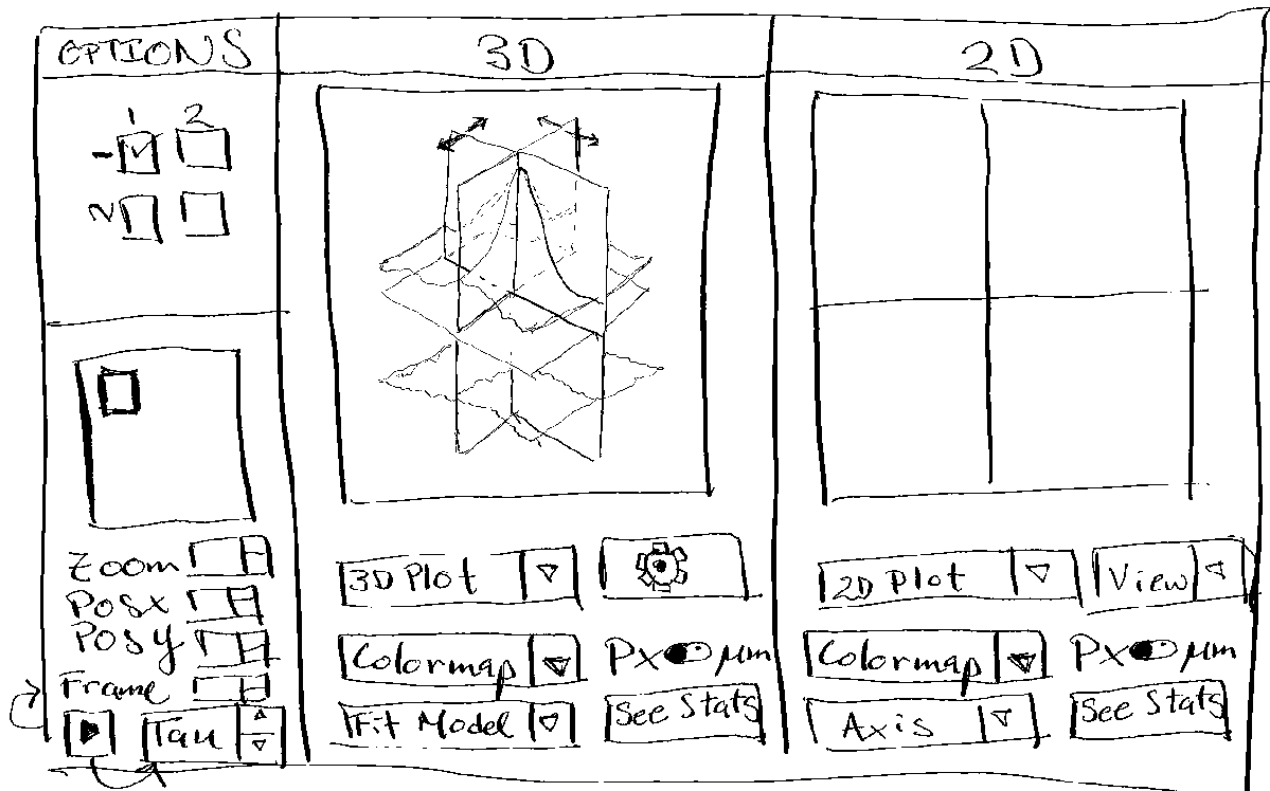
Interactive ICS GUI

Load Data Stack

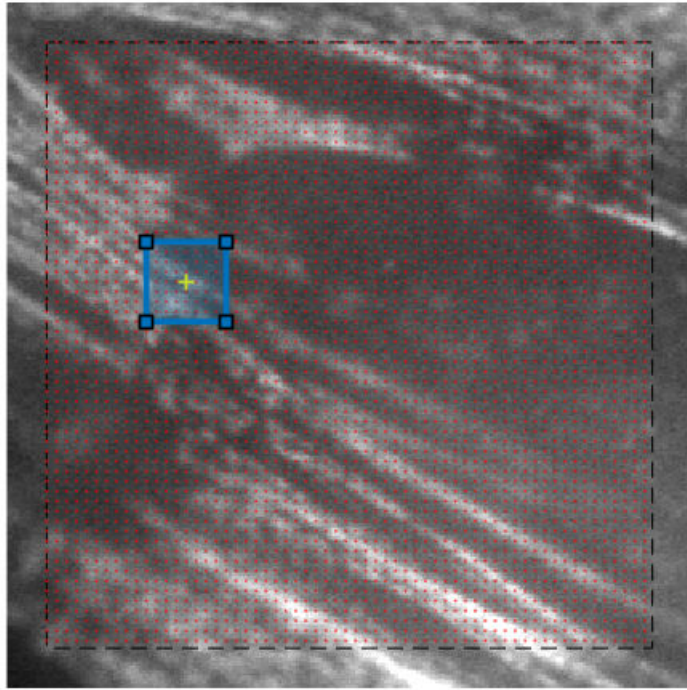
Load Vector Field if available:

ICS Explorer GUI

Design



Navigator



```
ans = 1x4
    56.5000    96.5000    32.0000    32.0000
```

3D ICF plot

Isotropic model ($\sigma_x = \sigma_y$)

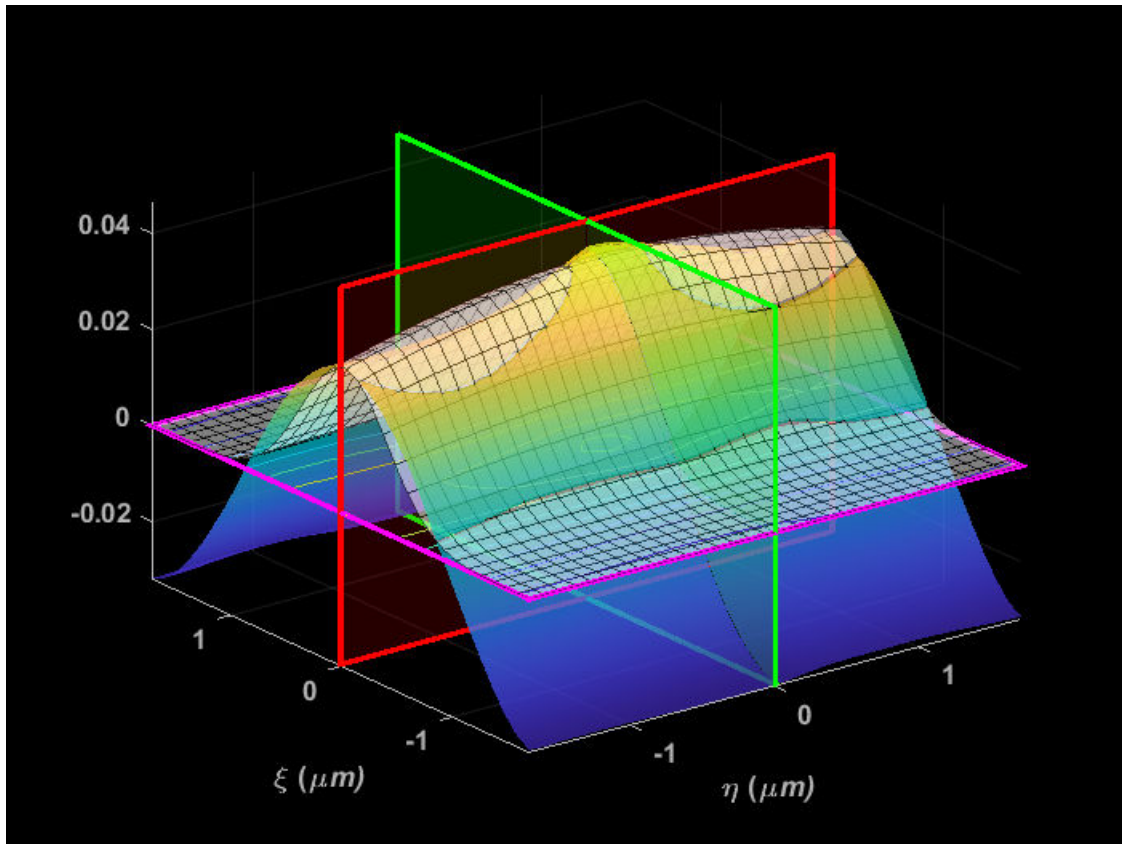
$$f(x, y) = a \cdot \exp \left(- \left(\frac{(x - x_0)^2}{2\sigma_x^2} + \frac{(y - y_0)^2}{2\sigma_y^2} \right) \right)$$

Asymmetric model ($\sigma_x \neq \sigma_y$)

$$f(x, y) = a \cdot \exp \left(- \left(\frac{(x - x_0)^2}{2\sigma_x^2} + \frac{(y - y_0)^2}{2\sigma_y^2} \right) \right)$$

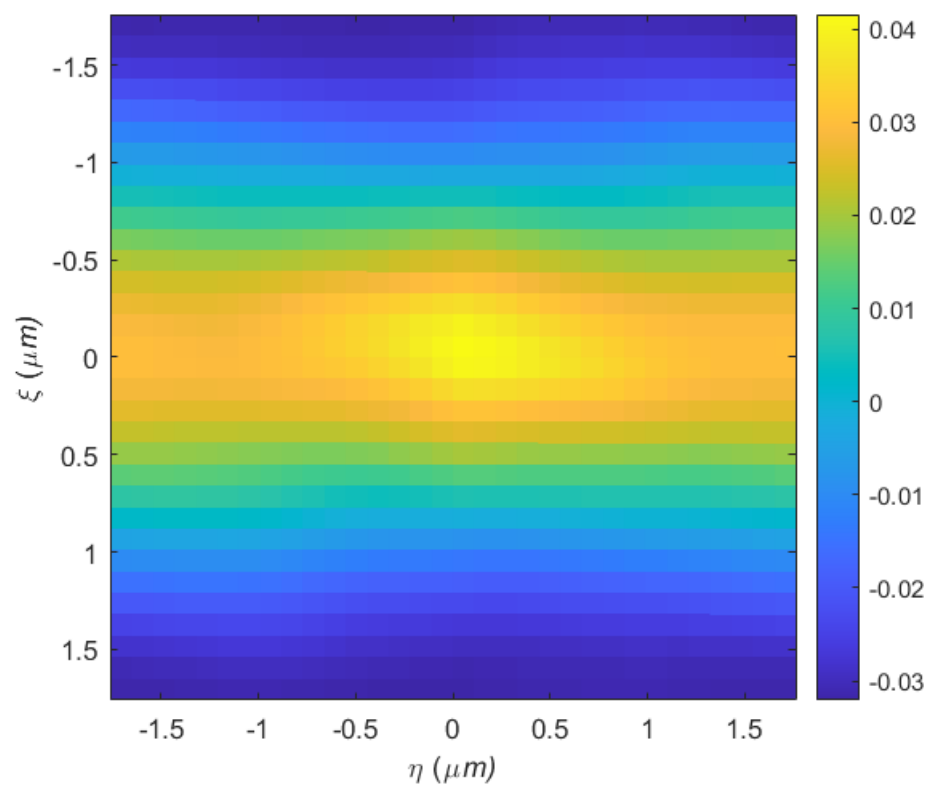
Rotated model ($\theta \neq 0$)

$$f(x, y) = a \cdot \exp \left(- \left(\frac{(x \cos \theta - y \sin \theta - x_0 \cos \theta + y_0 \sin \theta)^2}{2\sigma_x^2} + \frac{(x \sin \theta + y \cos \theta - x_0 \sin \theta - y_0 \cos \theta)^2}{2\sigma_y^2} \right) \right)$$

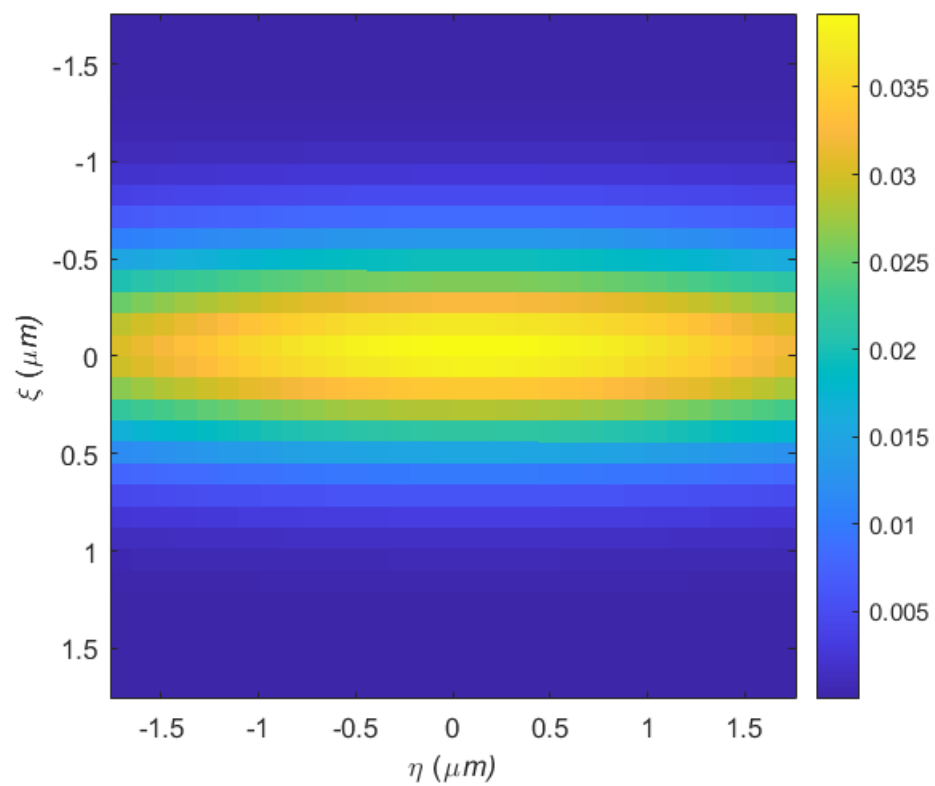


2D Plot

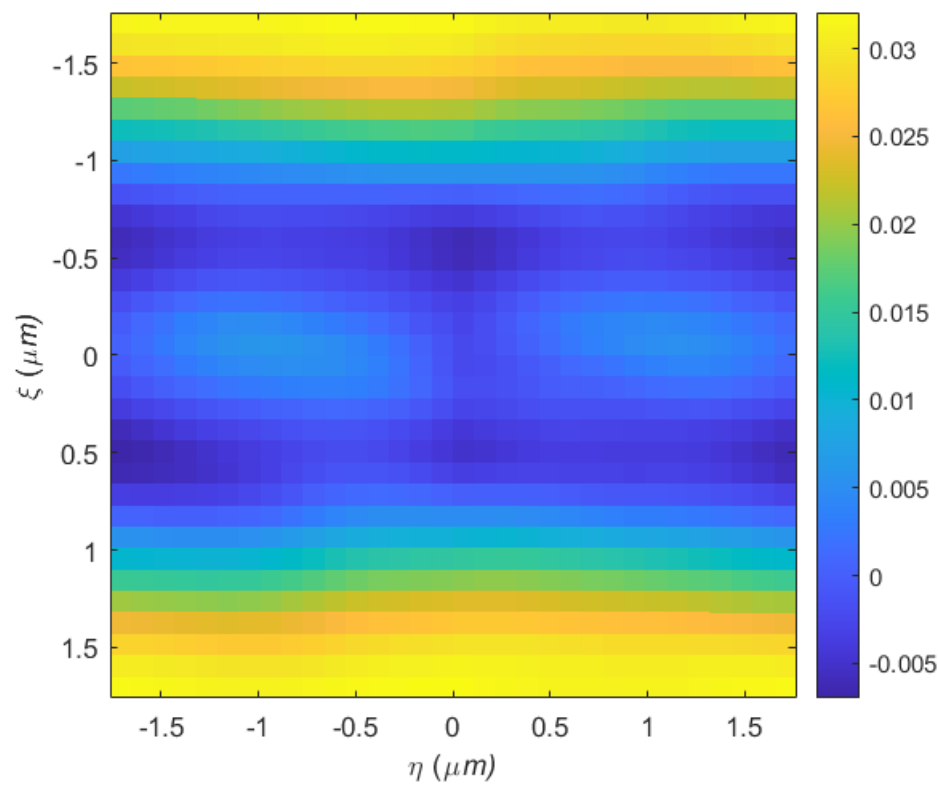
ICF



Fit



Residuals



Axis Cross-Sections

