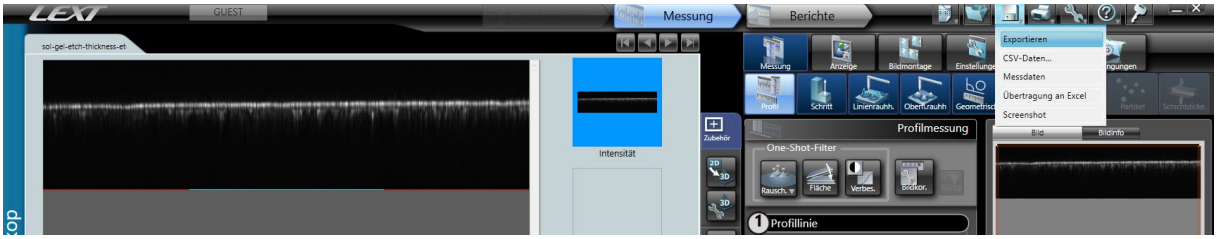
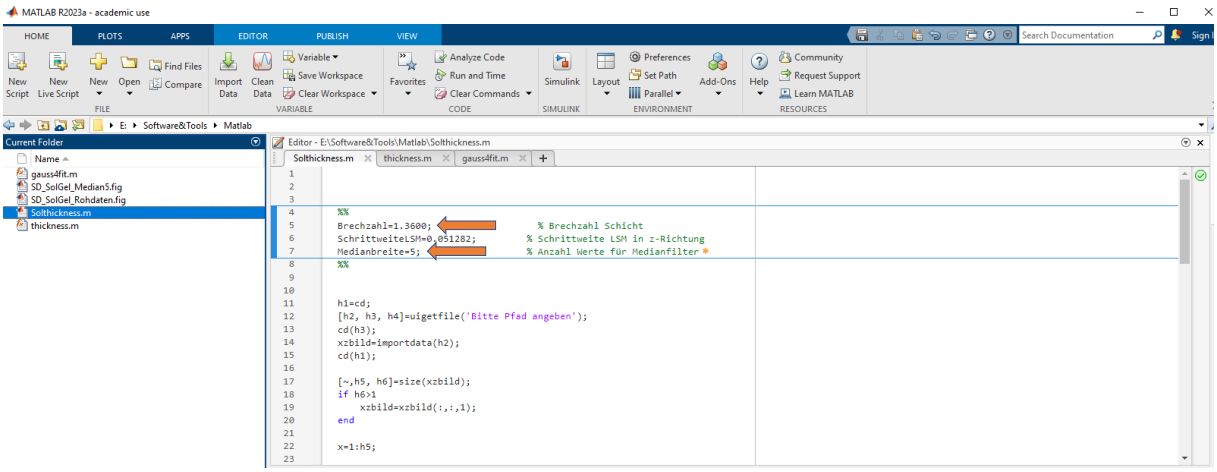
1. Image export from LEXT



Possible format: *.tif / *.bmp

2. Specify refractive index (Brechzahl) and run calculation



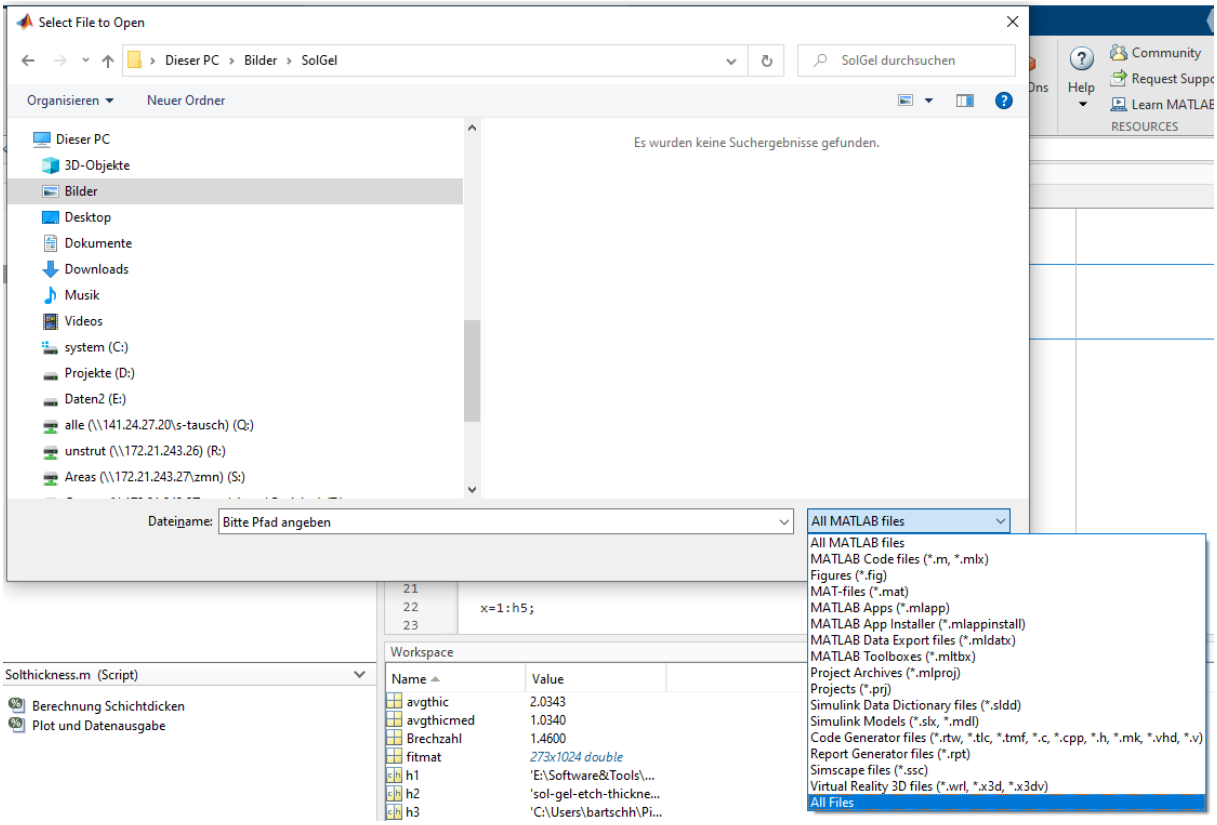
*see 5. Setting of median value (%Anzahl Werte für Medianfilter)

If the refractive index in unknown, measure a line on high and low level of a step and compare the difference depending on the refractive index with the step height.

Point	Step height [µm]	Used refractive index (Brechzahl)	Median low thickness ***avgmed*** [µm]	Median high thickness ***avgmed*** [µm]	$avgmed_{high}$ -$avgmed_{low}$ [µm]
1					

>> if the difference is equal to the step height, the refractive index is correct.

3. Select image file



… wait… … wait…… wait…… wait…… wait…

Coffee break…

… the result appears!

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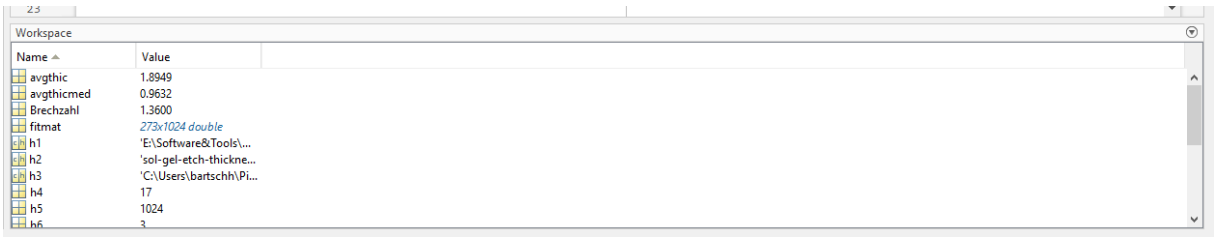
4. Results:



avgthic: mean of the thickness values based on Gaussian fit (Fig. 1)

avgthicmed: thickness value based on median fit (Fig. 1), see 5. Setting of median value (%Anzahl Werte für Medianfilter)

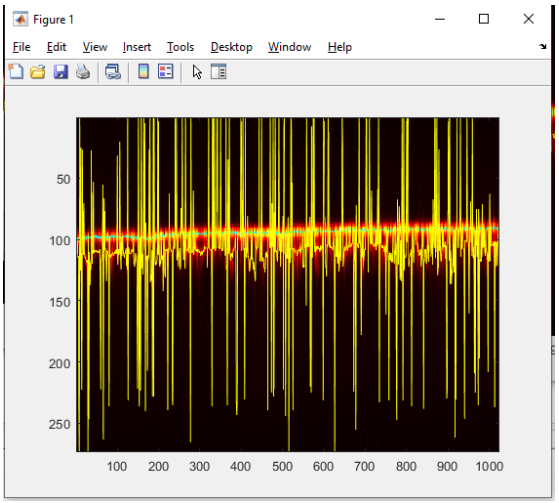


Figure 1: Graphic output Gaussian fit

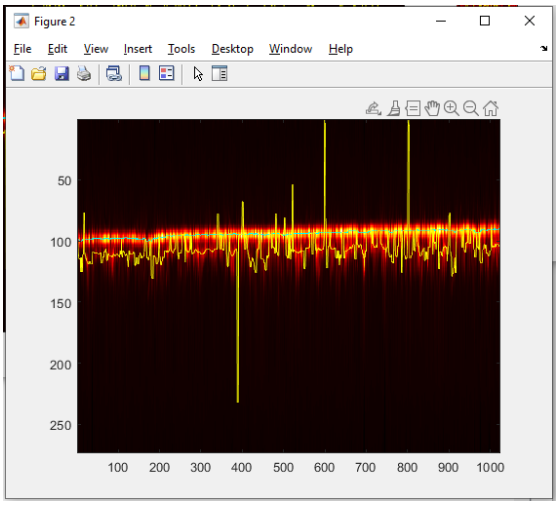


Figure 2: Graphic output median fit

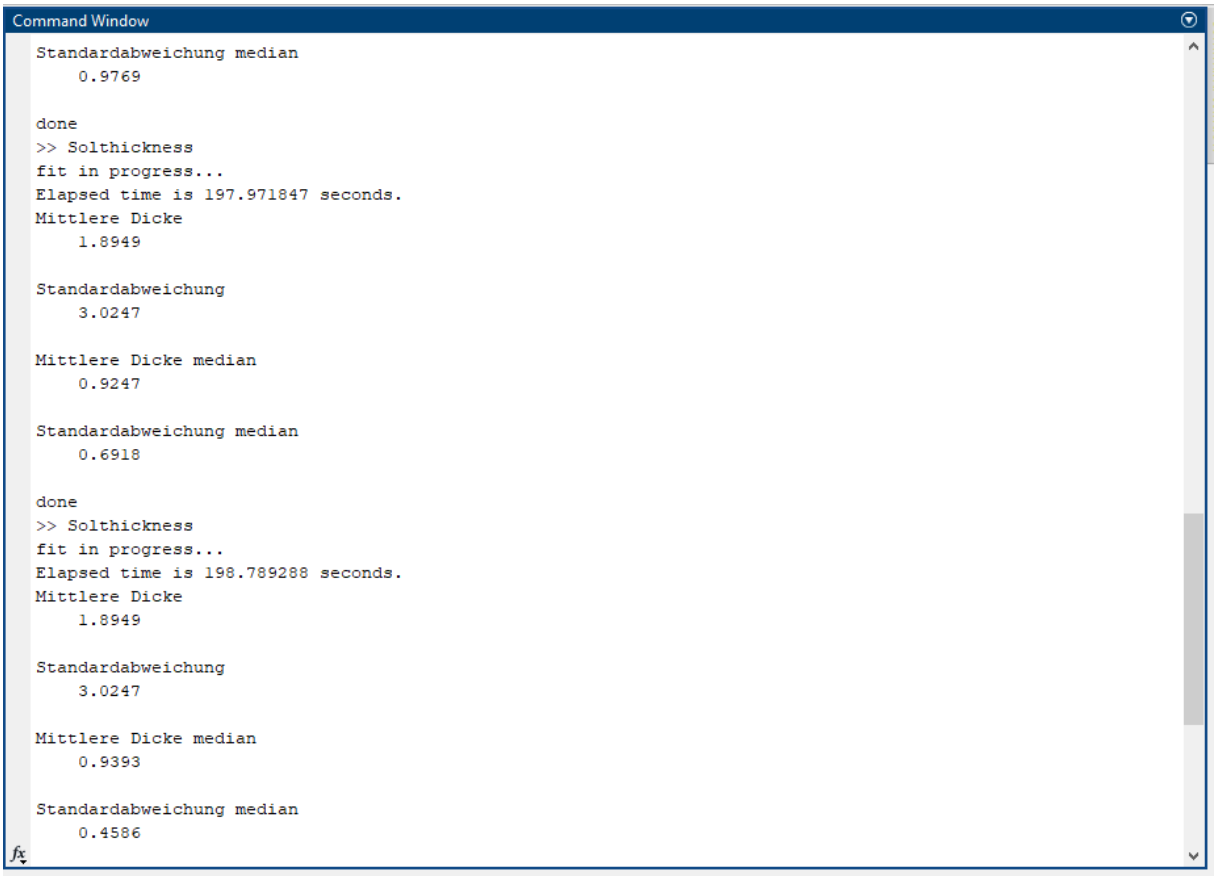


Figure 3: Output in Command window

5. Setting of median value (%Anzahl Werte für Medianfilter)

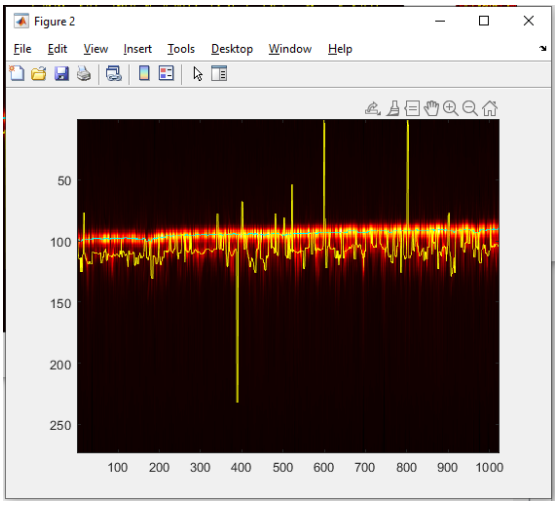


Figure 4: Medianbreite = 5

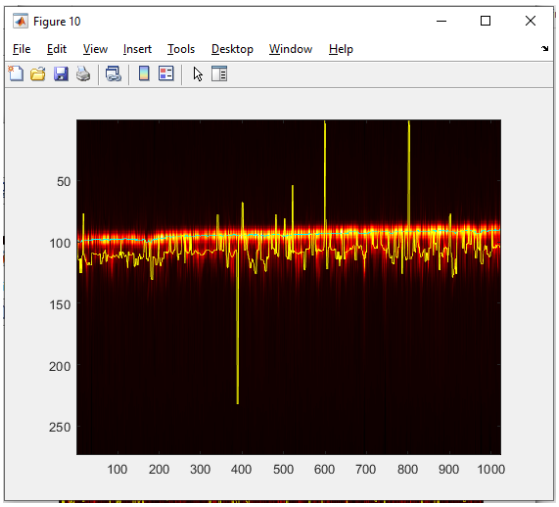


Figure 5: Medianbreite = 30

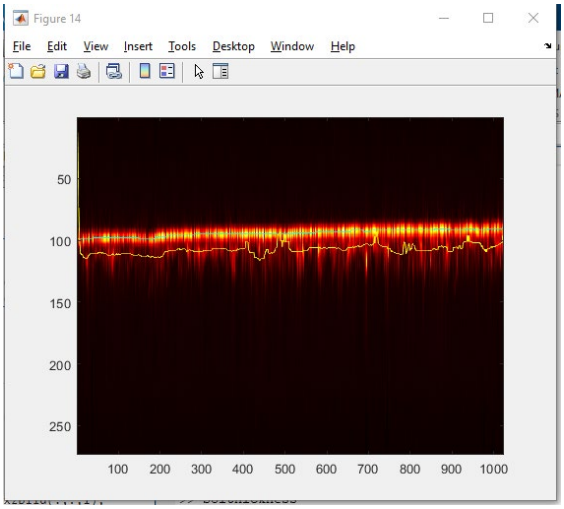


Figure 6: Medianbreite = 40

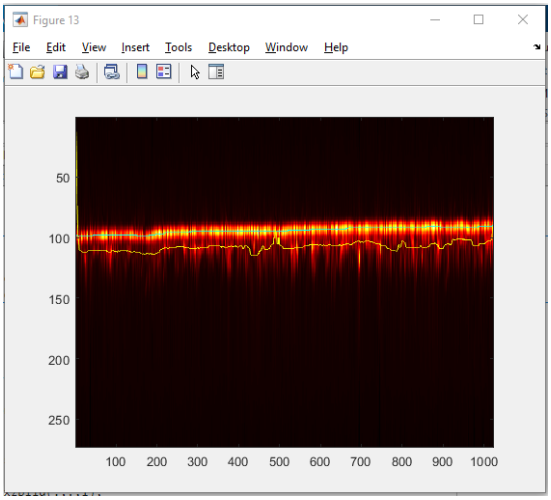


Figure 7: Medianbreite = 50

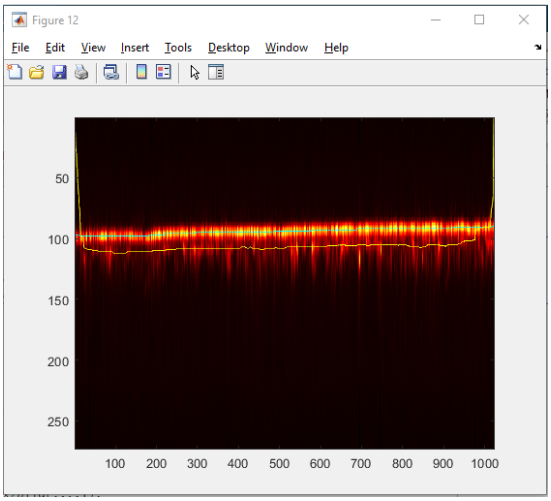


Figure 8: Medianbreite = 200