

Code Guide

M. Pourfard, K. Faez, "[A Statistical Approach for the Characterization of Self-Assembled Hexagonal Lattices](#)," Applied Surface Science, 2012 [[IF=6.182](#)] [[Q1](#)] [[PDF](#)].

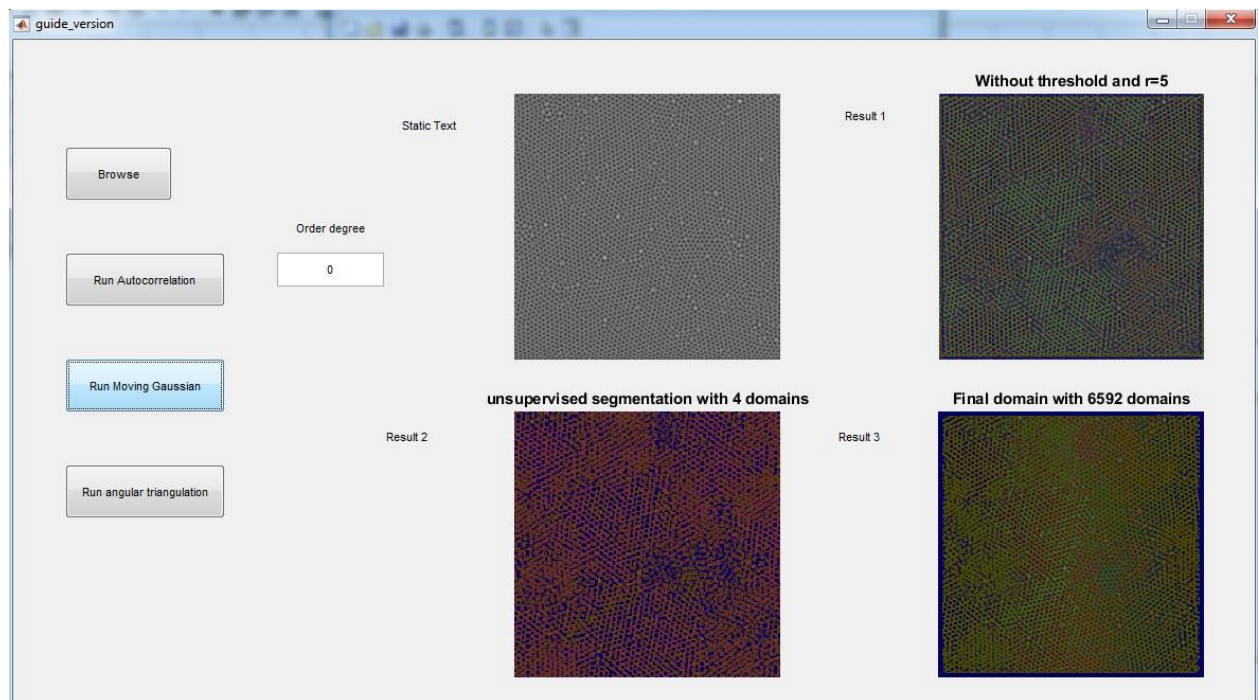
If you have used the code you must cite the above paper.

Code Language: MATLAB
Date of code: 2012
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How to run the code?

- 1- Run the guide command in matlab
- 2- select browse button to choose the image (e.g. 1-1-2-.tif)
- 3- Press run Moving average (press the button)

The code is embedded in guide version but if you want to run the non-guided version please run the **corelation_hexagonal.m** code.



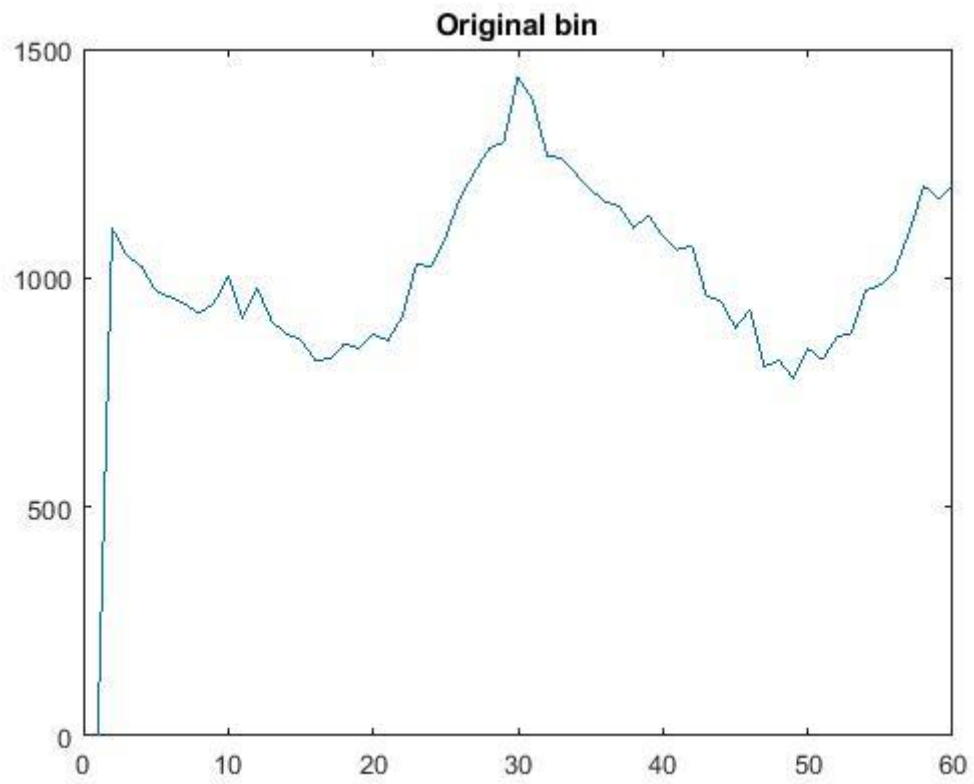


Figure 1 is the orientation of the pores

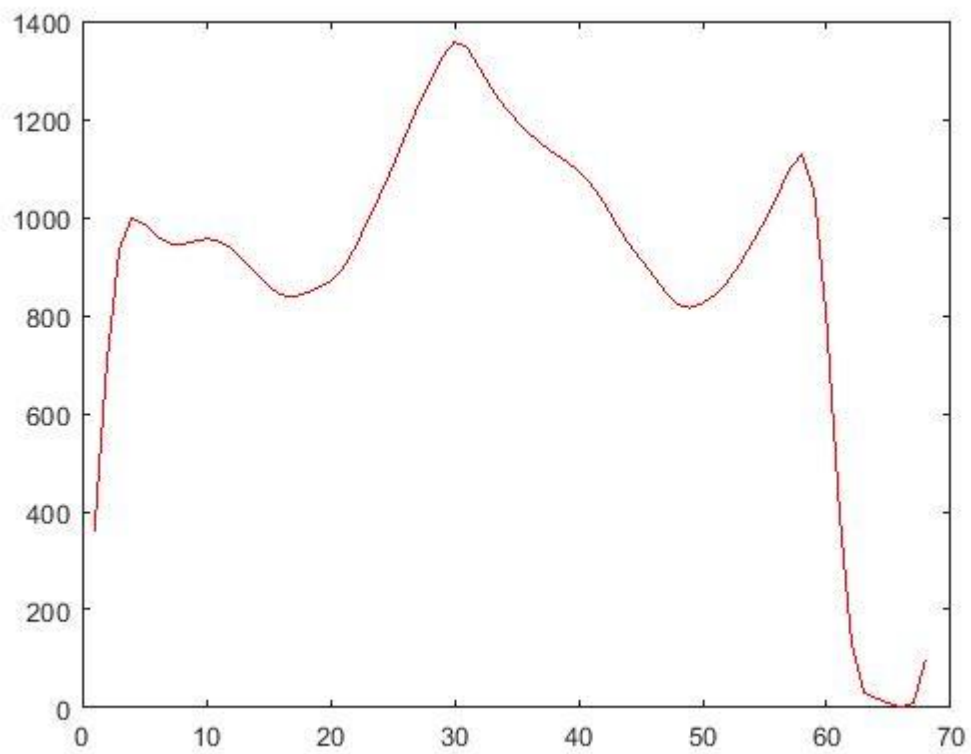


Figure 2 is the smoothed version of figure 2

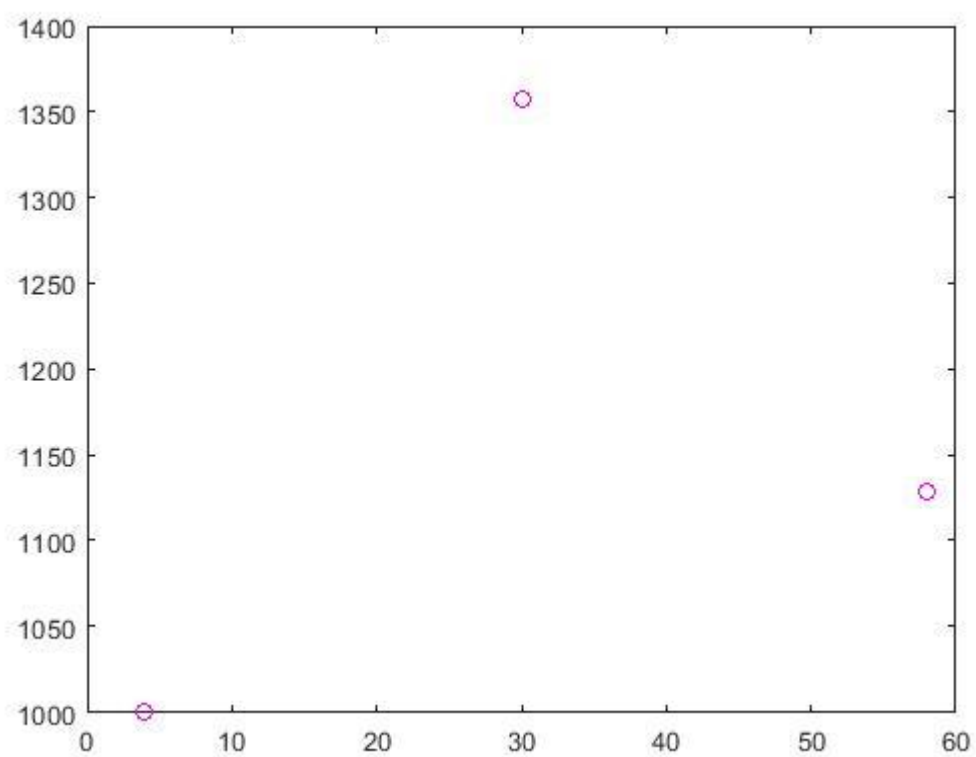


Figure 3 is the peaks' place of the figure 2

largest domain size with area of 0.097153

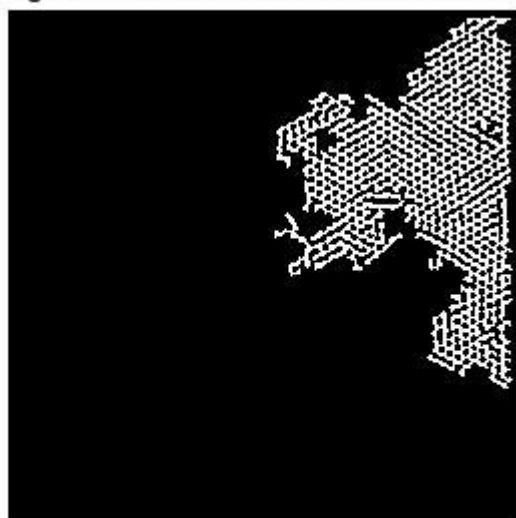


Figure 4 is the largest domain