

## Code Guide

This code is based on the paper : M. Pourfard, K. Faez, S. Tabaian, "[Autocorrelation-based Method for Characterization of the Self-hexagonal Lattice](#)", The Journal of Physical Chemistry C, 2013 [\[IF=4.189\]](#) [\[Q1\]](#) [\[PDF\]](#).

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

Code Language: MATLAB

Date of code: 2013

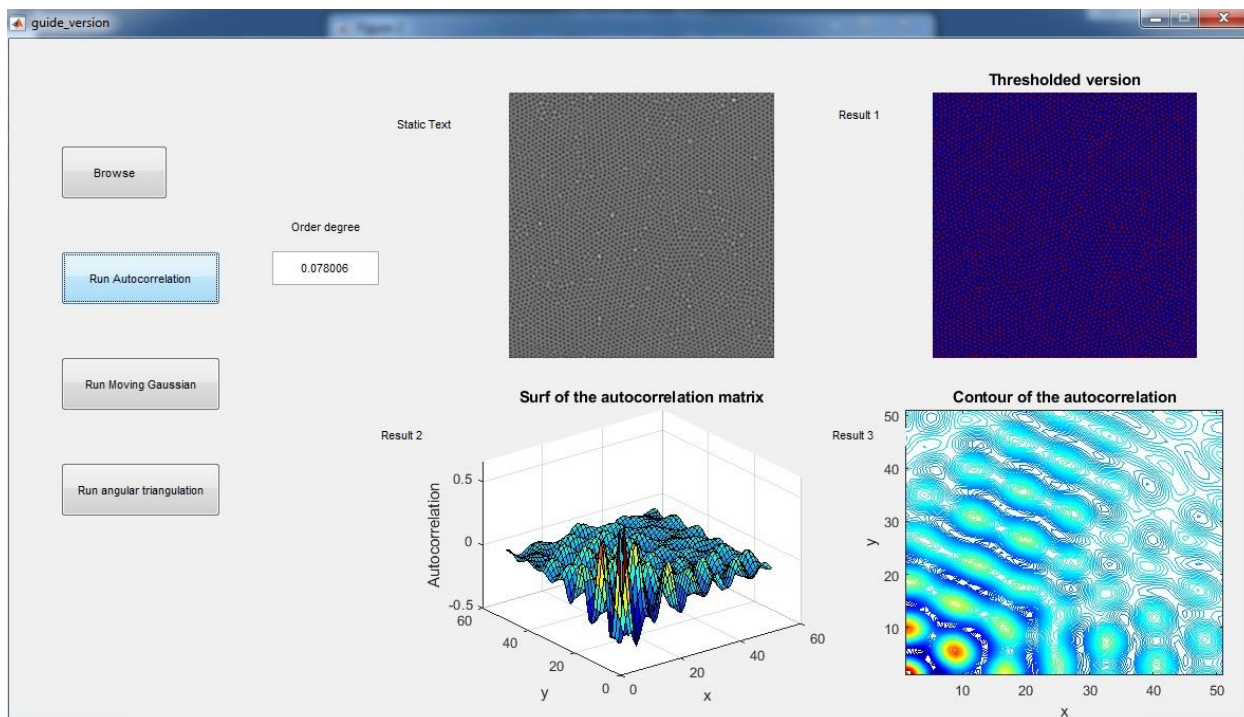
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### How to run the code?

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

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



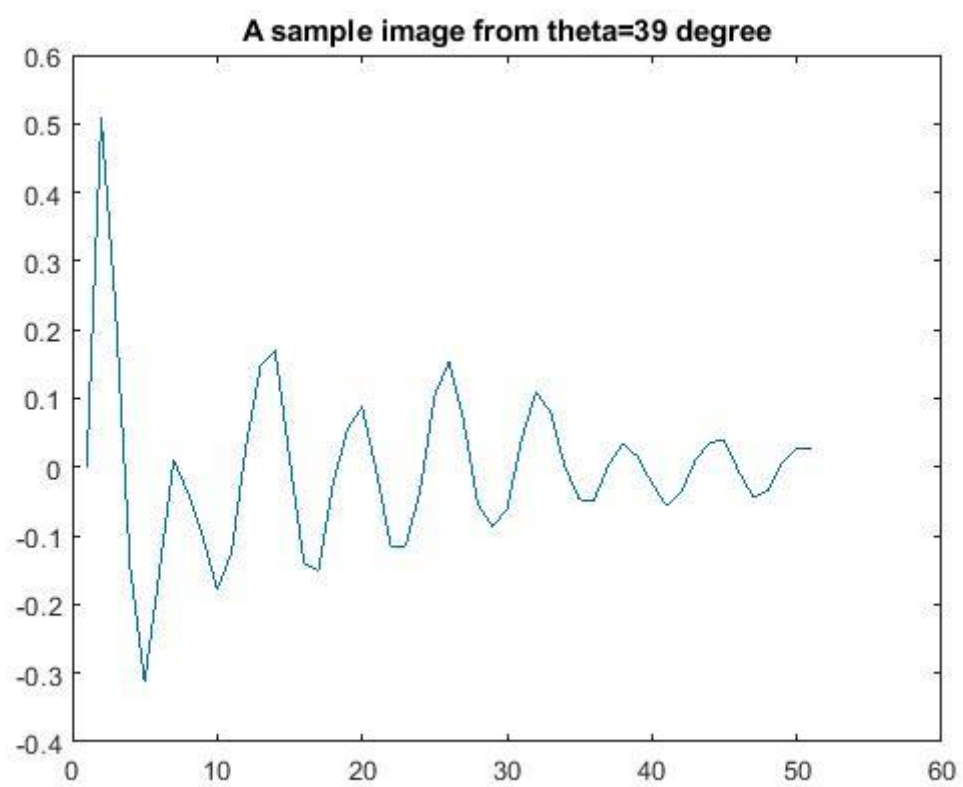


Figure 1 is the peaks and valleys of a predefined orientation

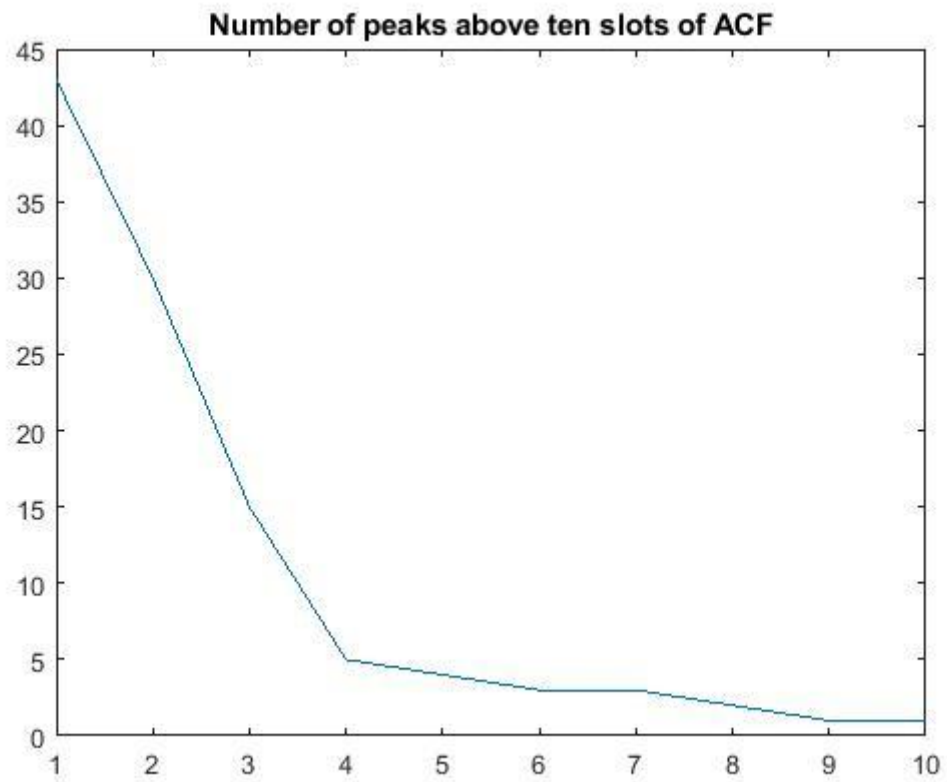


Figure 2 is the peaks above each slot