**Code Guide**

M. Pourfard, K. Faez, “[A Statistical Approach for the Characterization of Self-Assembled Hexagonal Lattices](https://www.sciencedirect.com/science/article/pii/S0169433212011786),” Applied Surface Science, 2012 [[**IF=6.182**](file:///C:\Users\HP\Desktop\پسادکتری\پر%20شده%20خودم\journals.elsevier.com\applied-surface-science)**] [**[**Q1**](https://www.scimagojr.com/journalsearch.php?q=28983&tip=sid&clean=0)**] [**[**PDF**](https://www.researchgate.net/publication/257031948_A_statistical_approach_for_the_characterization_of_self-assembled_hexagonal_lattices)**]**.

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

Code Language: MATLAB

Date of code: 2012

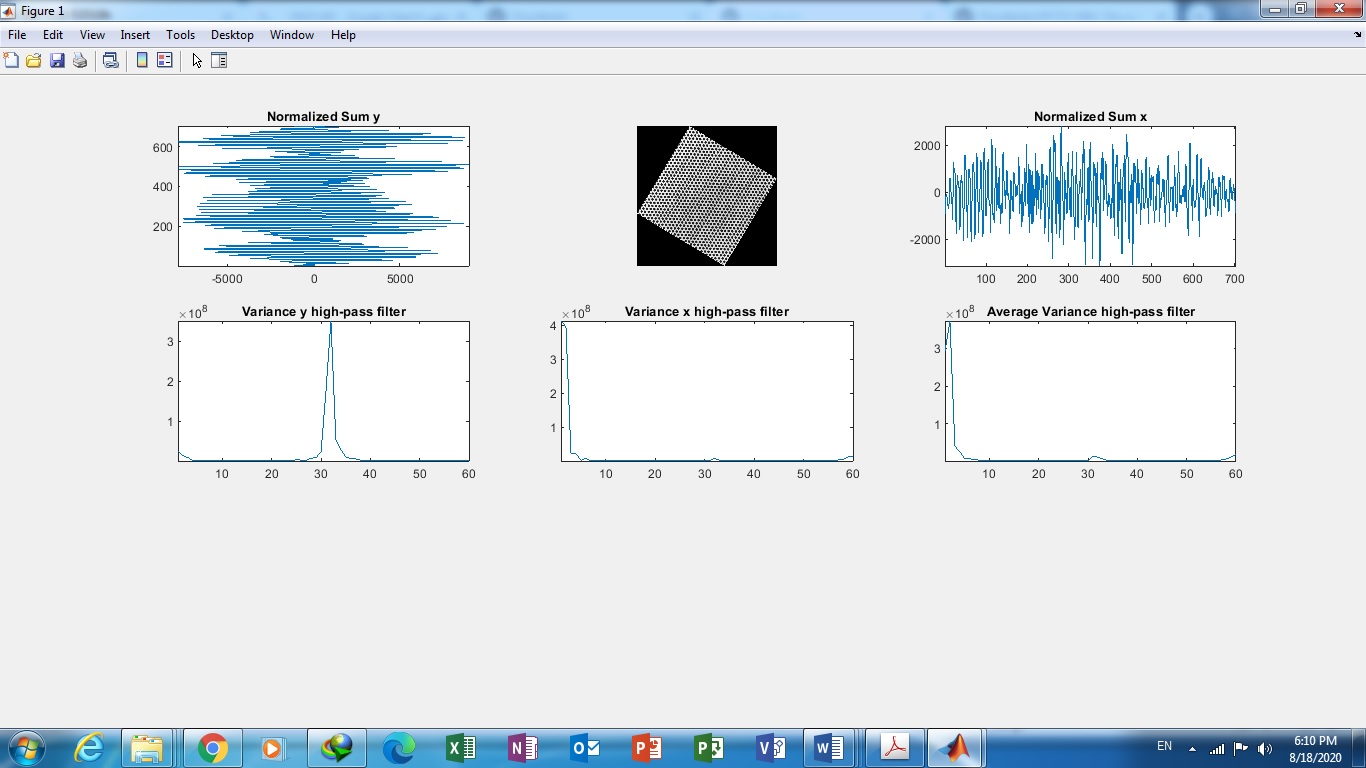
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**How to run the code?**

**The code is:**

statisticalnano\_1\_simple\_sum.m, statisticalnano\_1\_simple\_sum\_with\_variance.m, statisticalnano\_2\_Adaptive\_filter.m, statisticalnano\_3\_normalization\_part.m, statisticalnano\_4\_normalization\_imrotate.m, statisticalnano\_5\_comparision.m



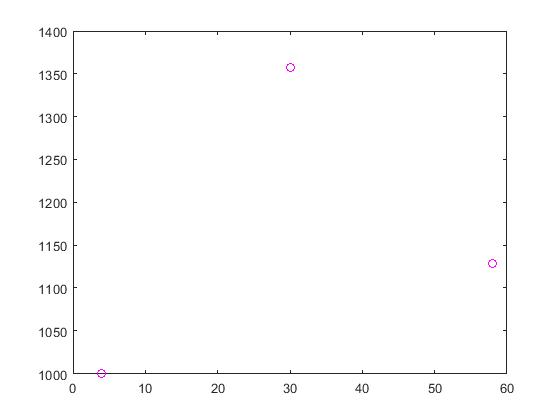


Figure 3 is the peaks’ place of the figure 2

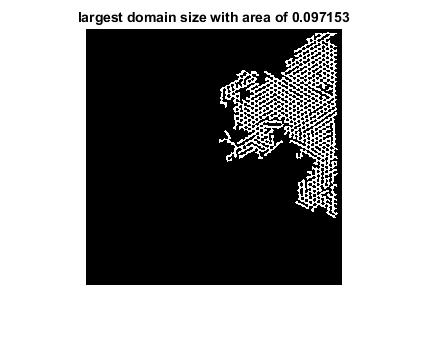


Figure 4 is the largest domain