

Code Guide

M. Pourfard, K. Faez, and S. H. Tabaian, "[Unsupervised Gabor Filter-Bank Method for Characterization of the Self-Assembled Hexagonal Lattice](#)," Journal of Nano Research, vol. 31, pp. 40-61, 2015 [IF=0.532] [\[Q3\]](#) [\[PDF\]](#).

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

Code Language: MATLAB
Date of code: 2015
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How to run the code?

The code is: **gaborfilt.m**

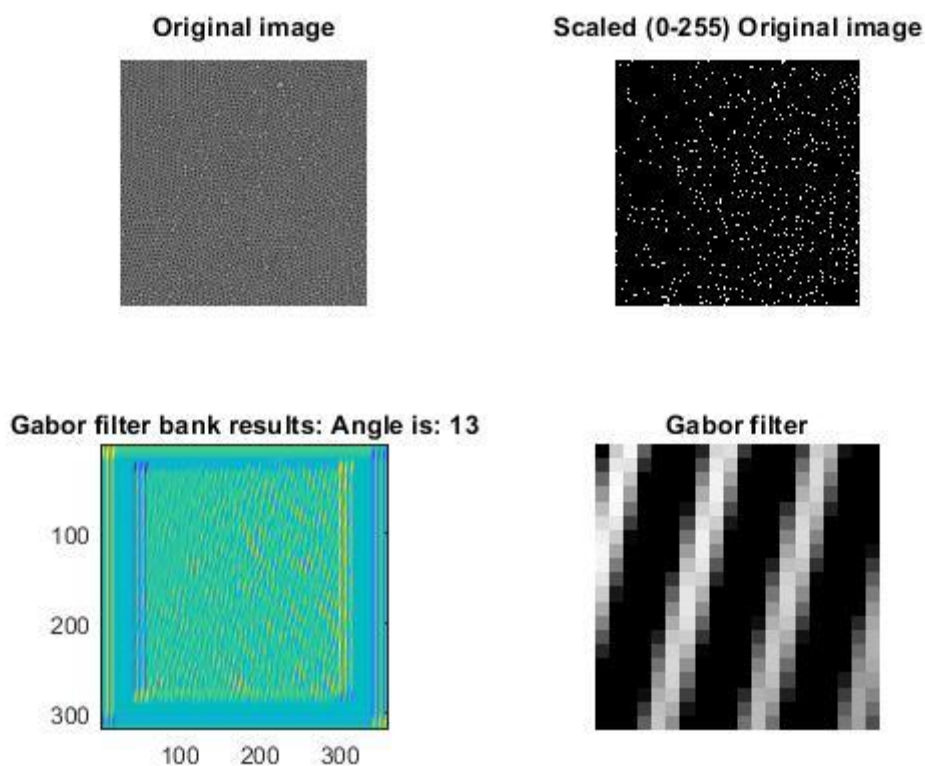


Figure 1 shows the gabor filter orientation

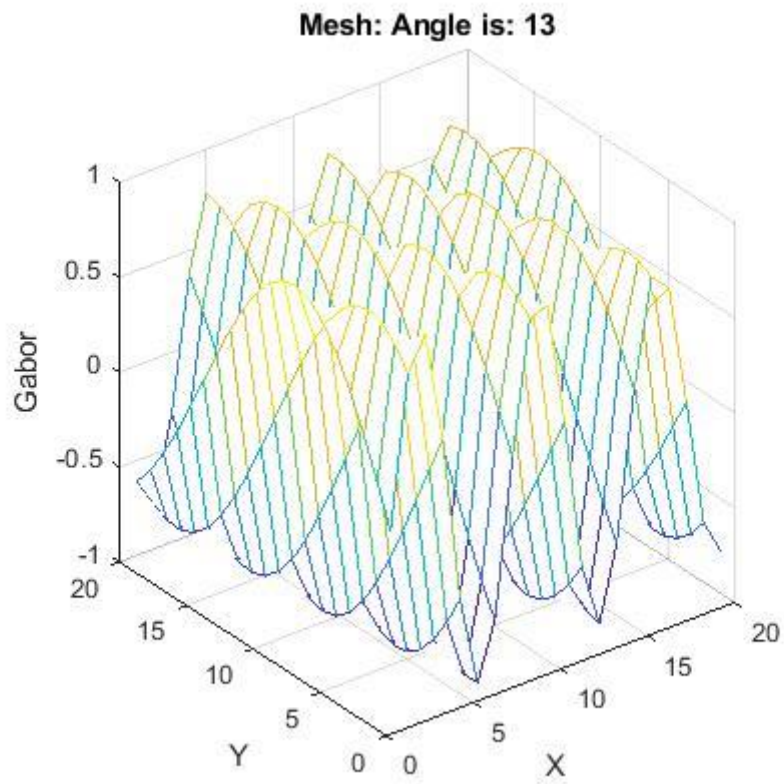


Figure 1 shows the 3d version of gabor filter in different orientations

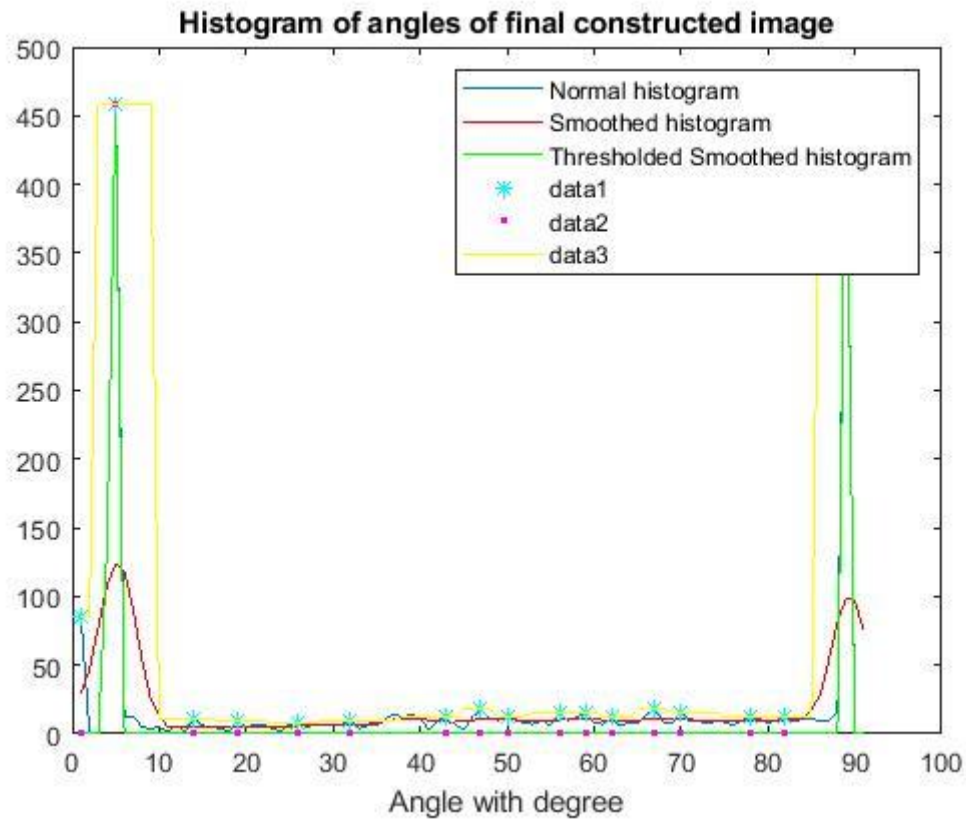


Figure 3 shows the result of gabor filter in different pore orientations. Then cut based on the peaks.

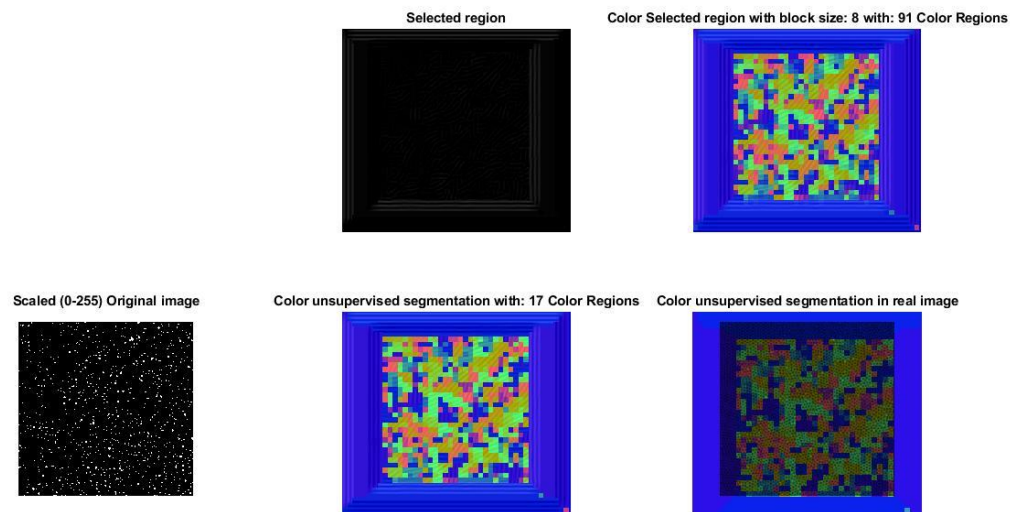


Figure 4 shows the result of segmentation