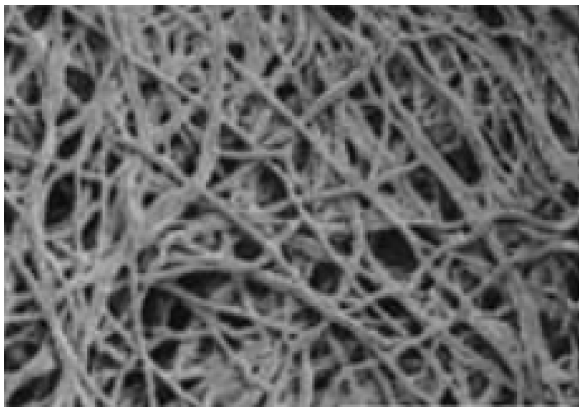
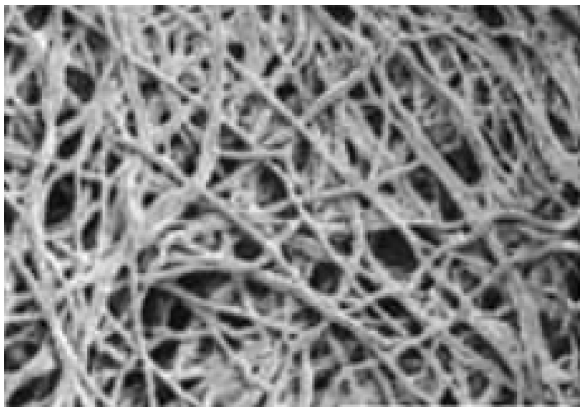
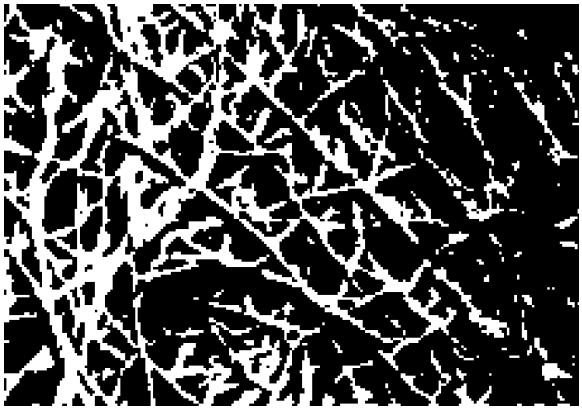
Original Image



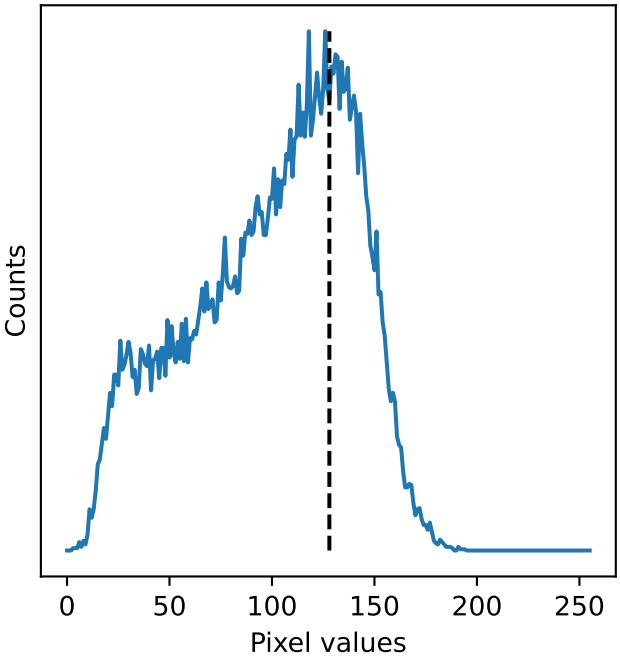
Processed Image



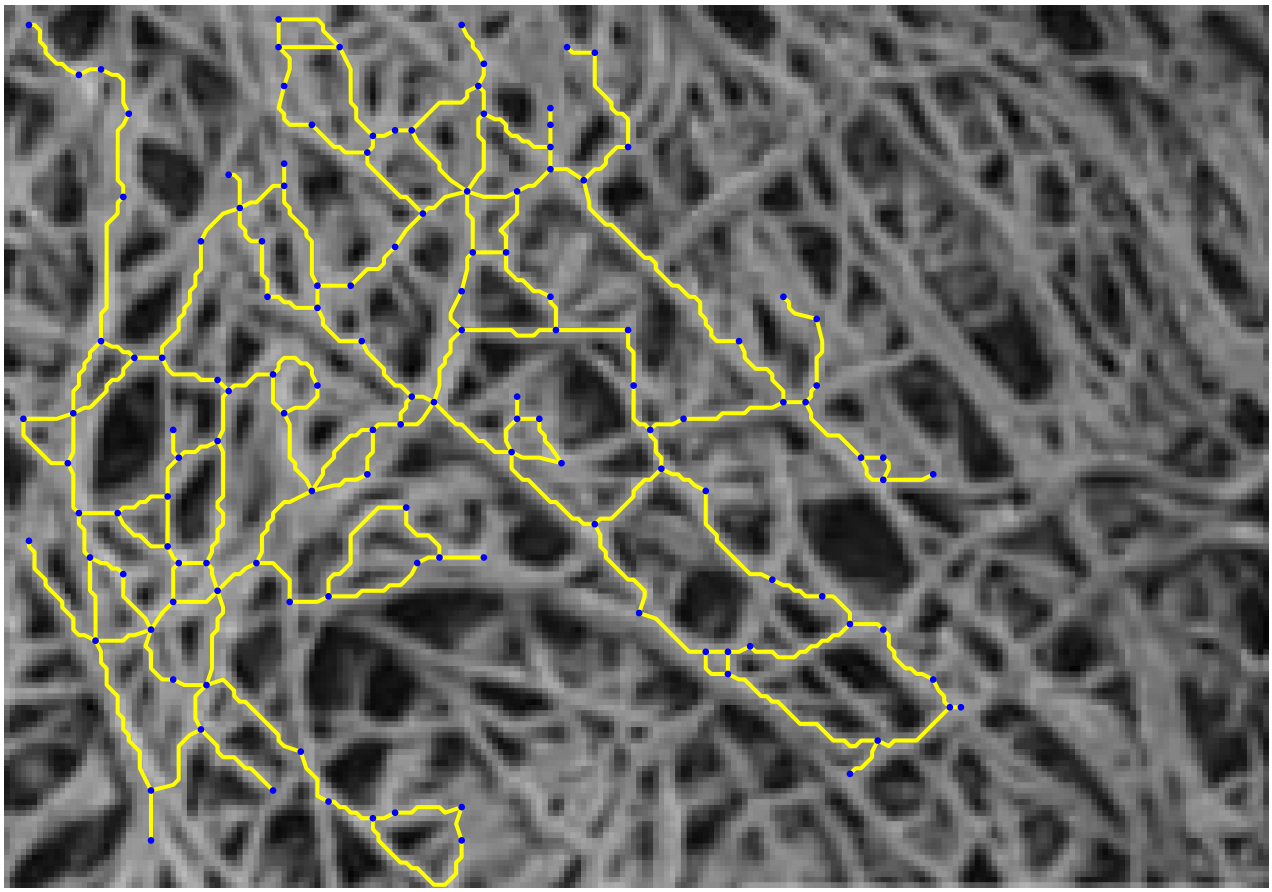
Binary Image



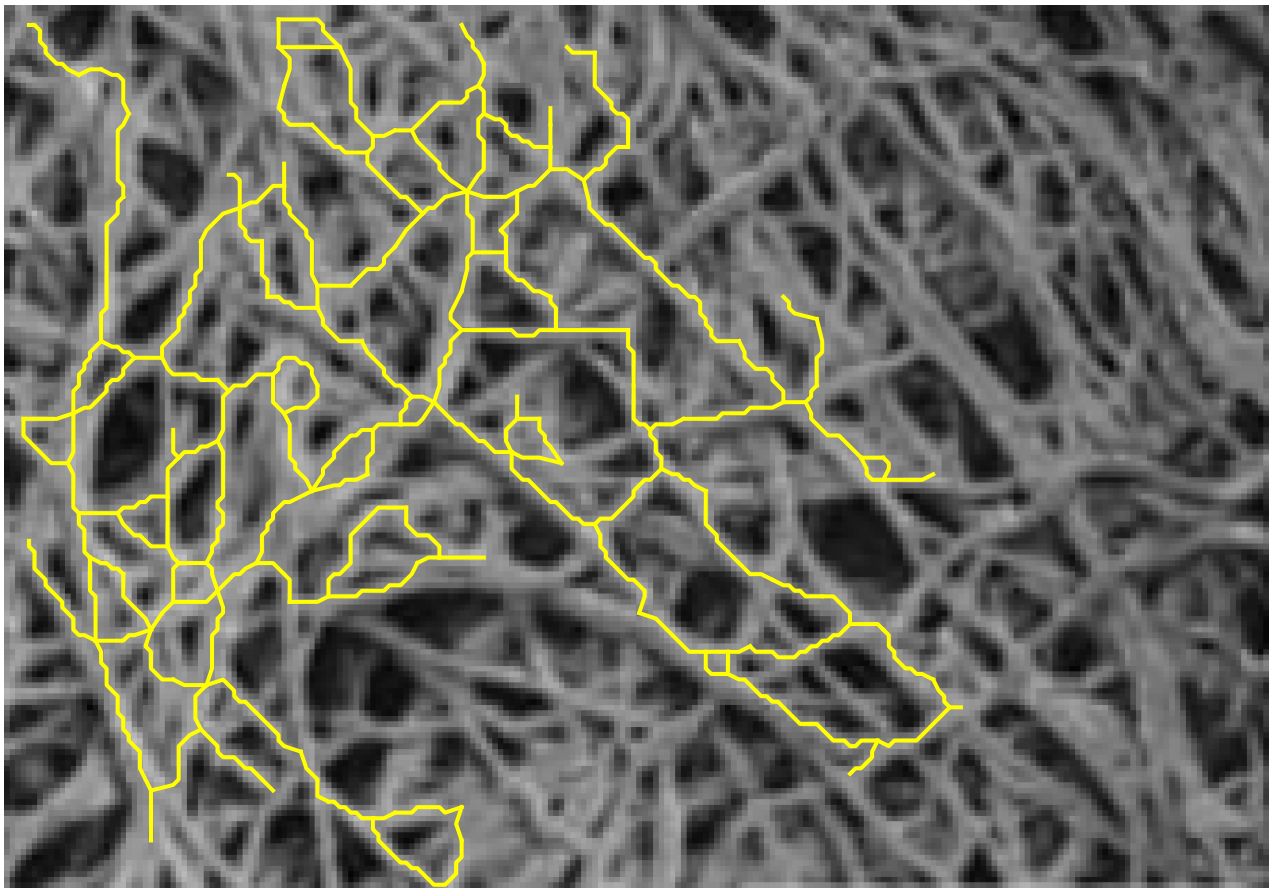
Histogram of Processed Image



Graph Edge Plot



Graph Edge Plot

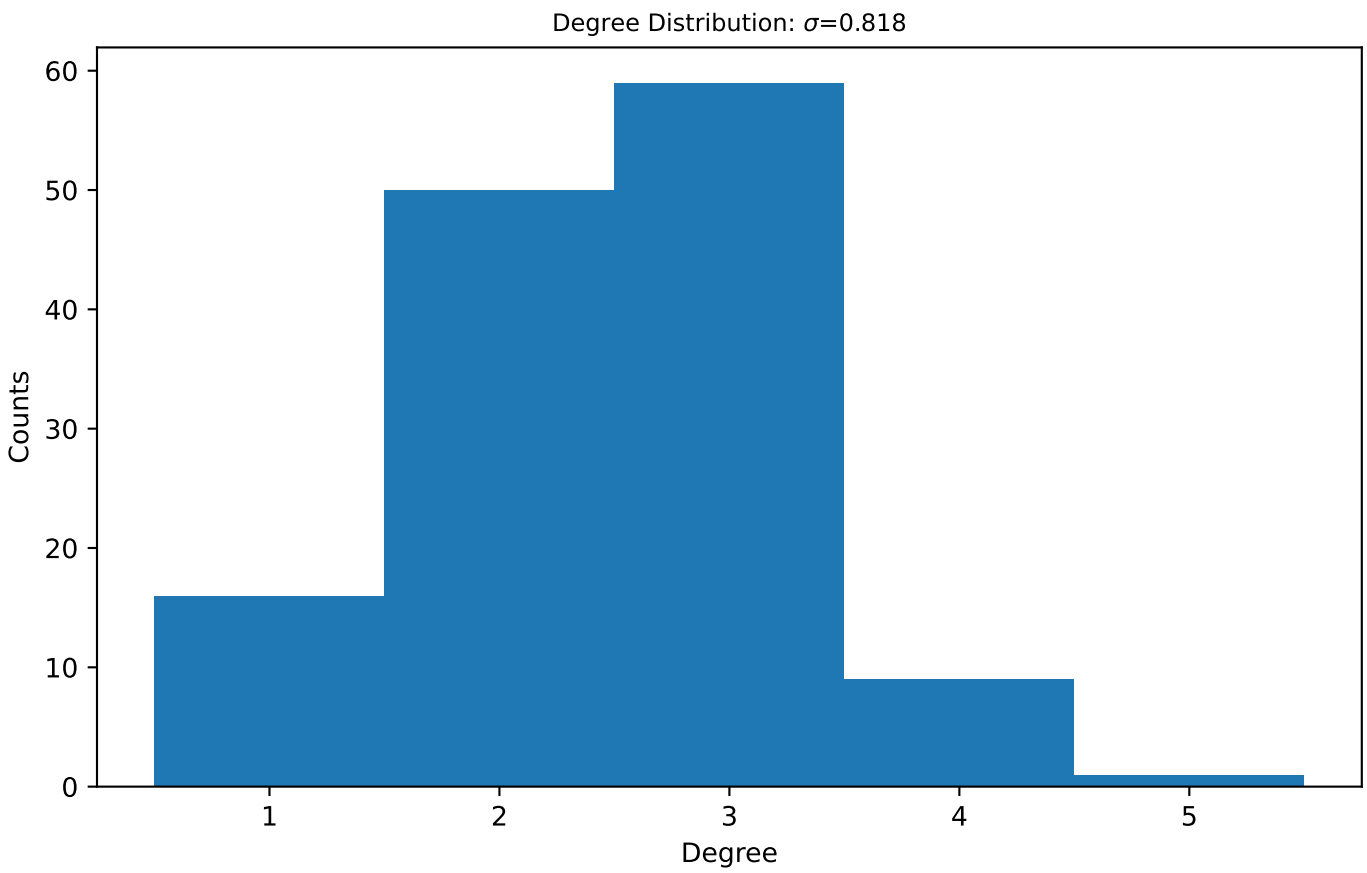


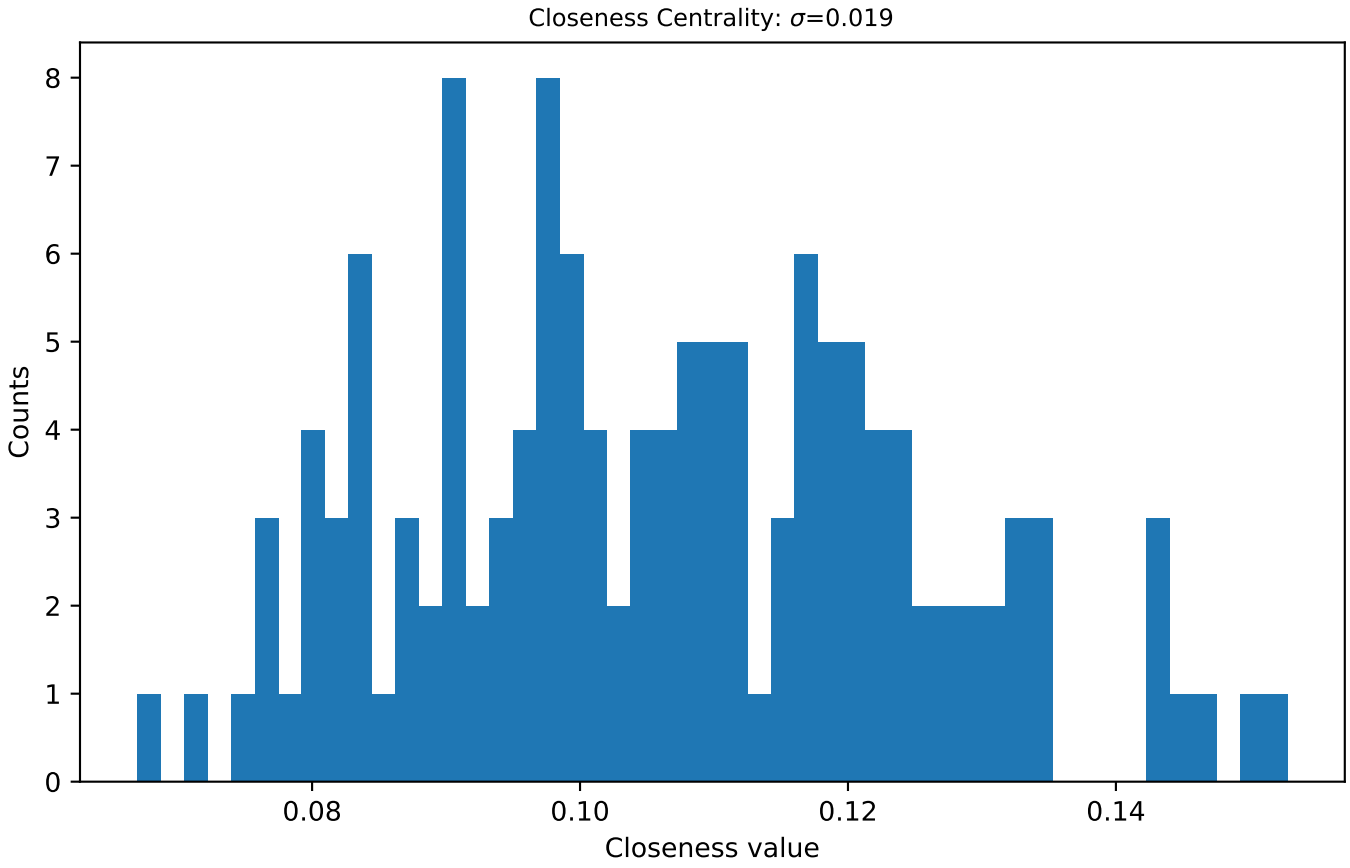
Unweighted GT parameters

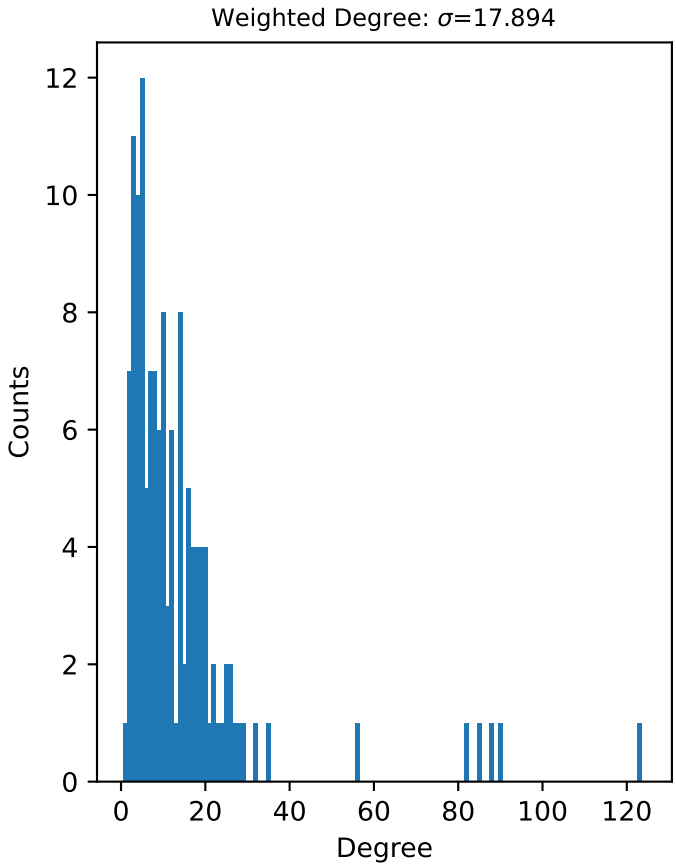
Number of nodes	135.0
Number of edges	167.0
Average edge angle (degrees)	83.533
Median edge angle (degrees)	90.0
Average degree	2.47407
Network diameter	24.0
Average node connectivity	1.46812
Graph density	0.01846
Average closeness centrality	0.10637

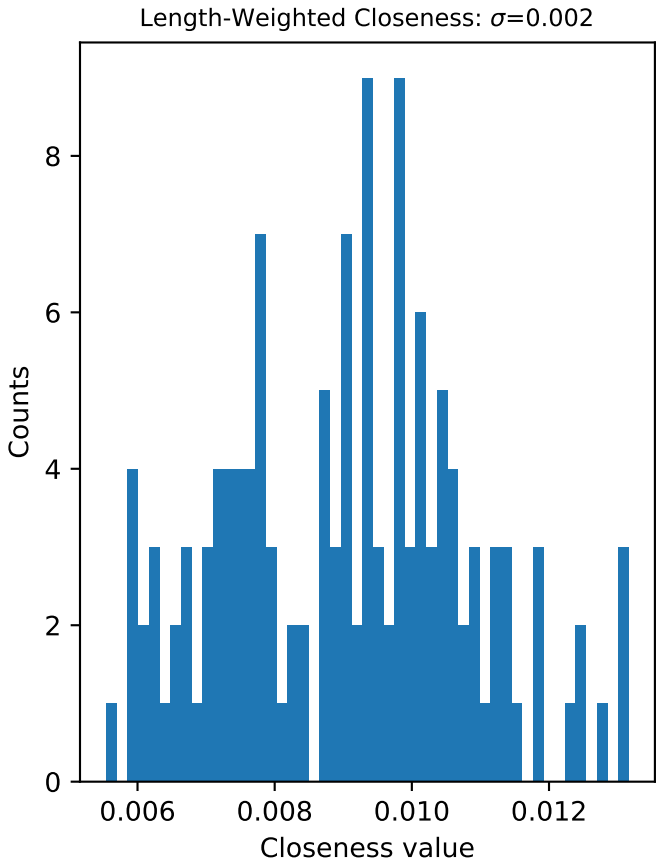
Weighted GT parameters

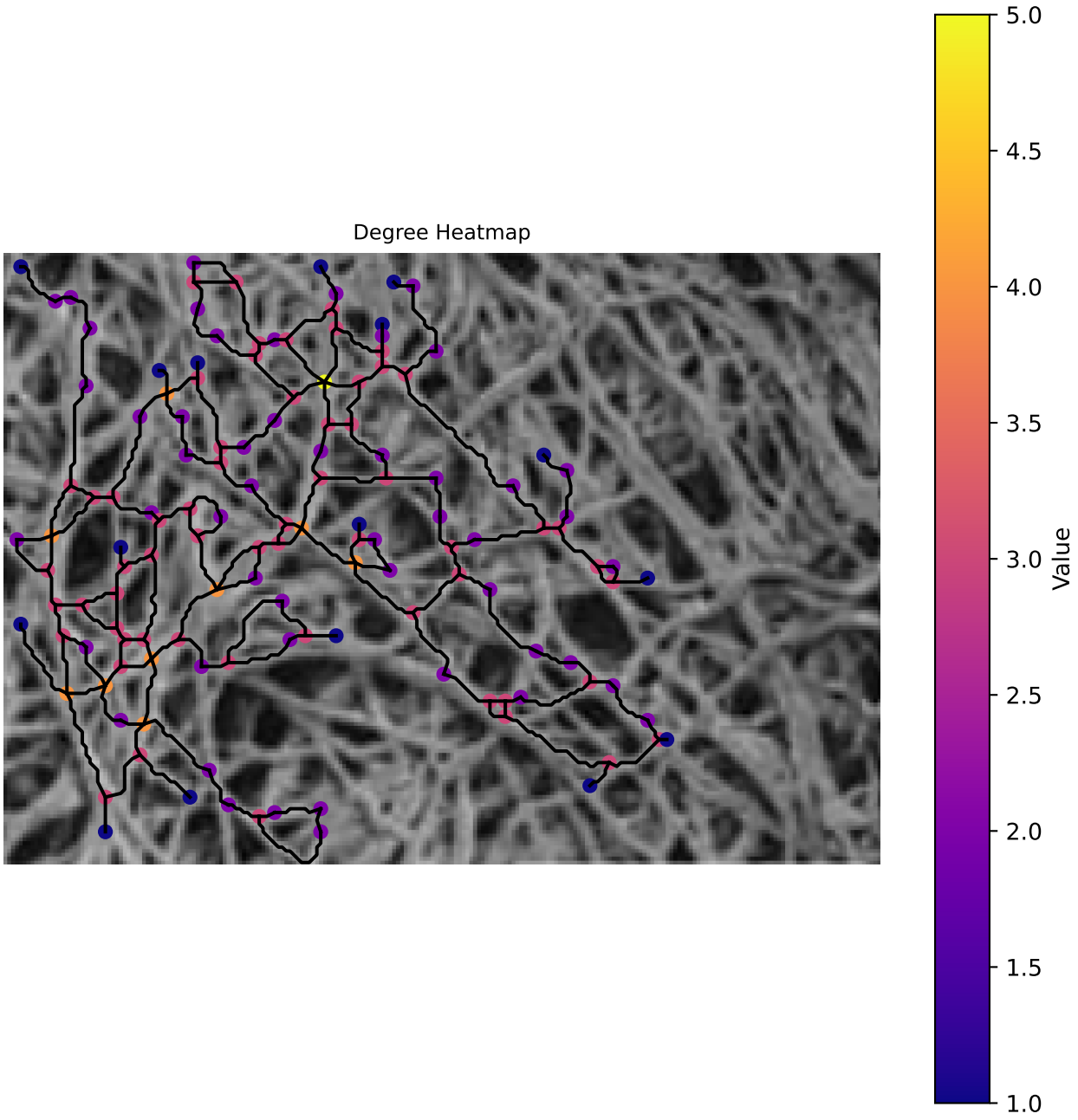
Diameter-weighted average degree	14.3481
Max flow between periphery	1.5
Length-weighted average closeness centrality	0.00906

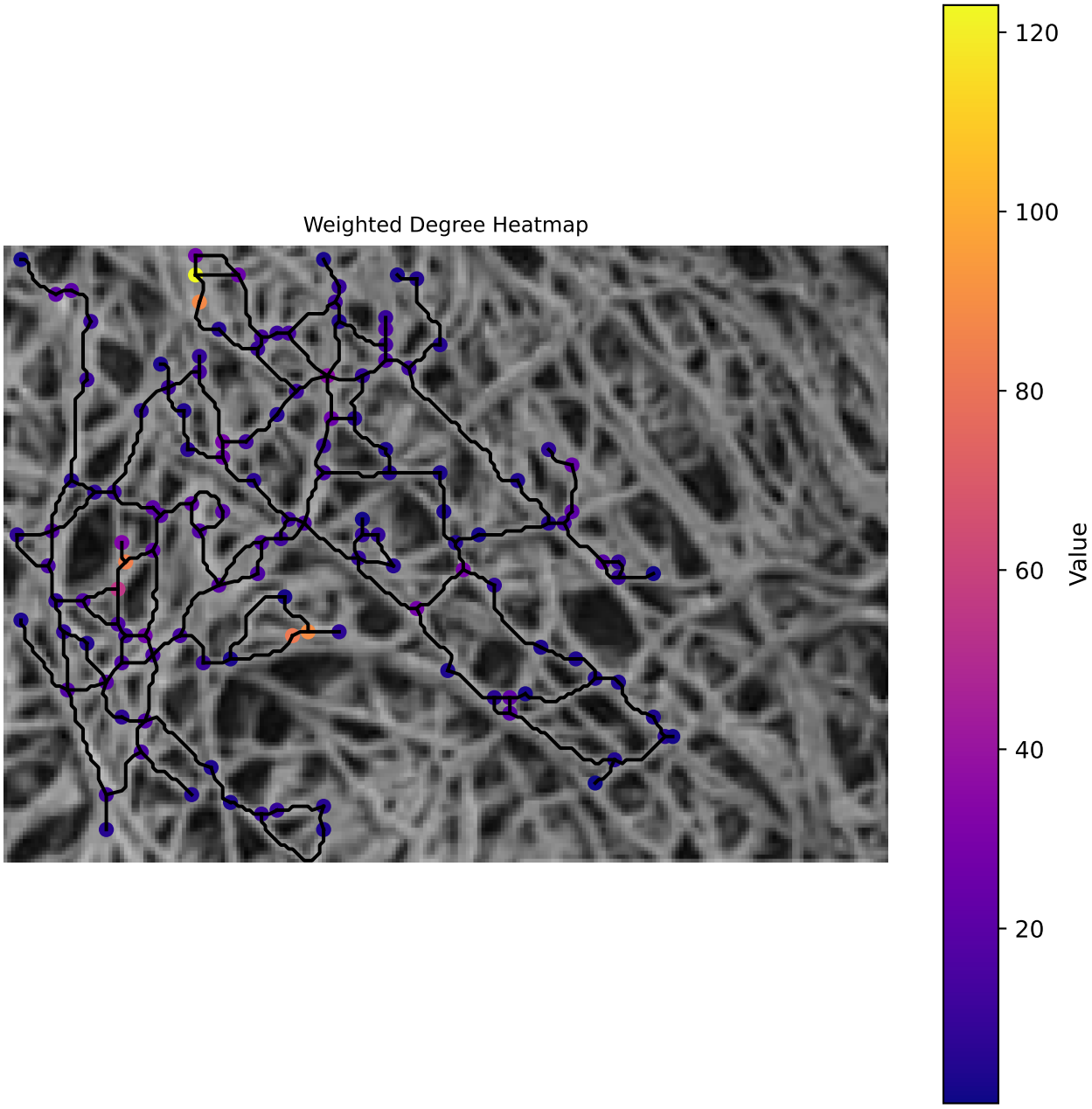

Degree Distribution: σ=0.818
Counts
Degree
0
10
20
30
40
50
60
1
2
3
4
5

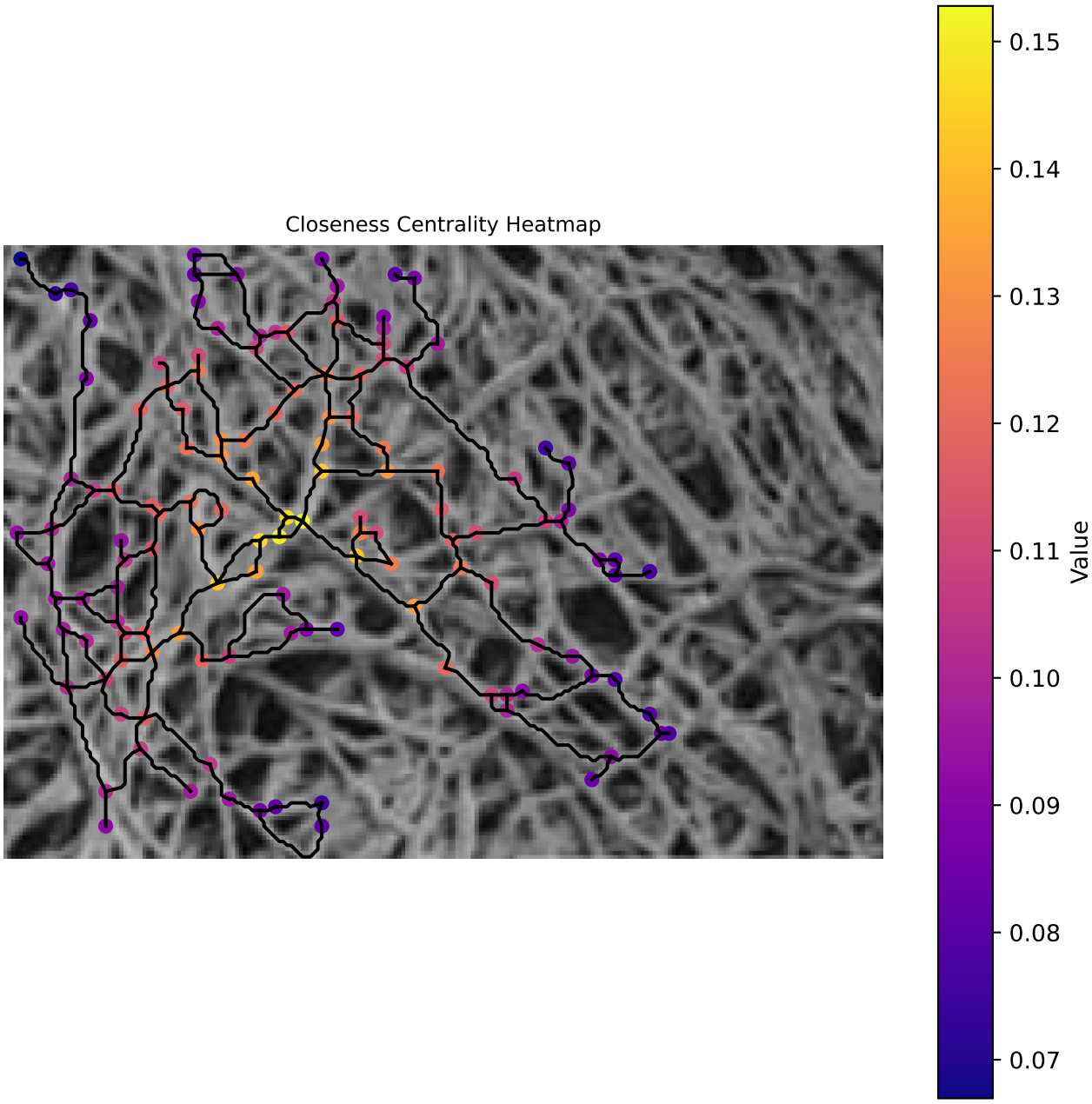

Closeness Centrality: σ=0.019
Counts
Closeness value
0
1
2
3
4
5
6
7
8
0.08
0.10
0.12
0.14

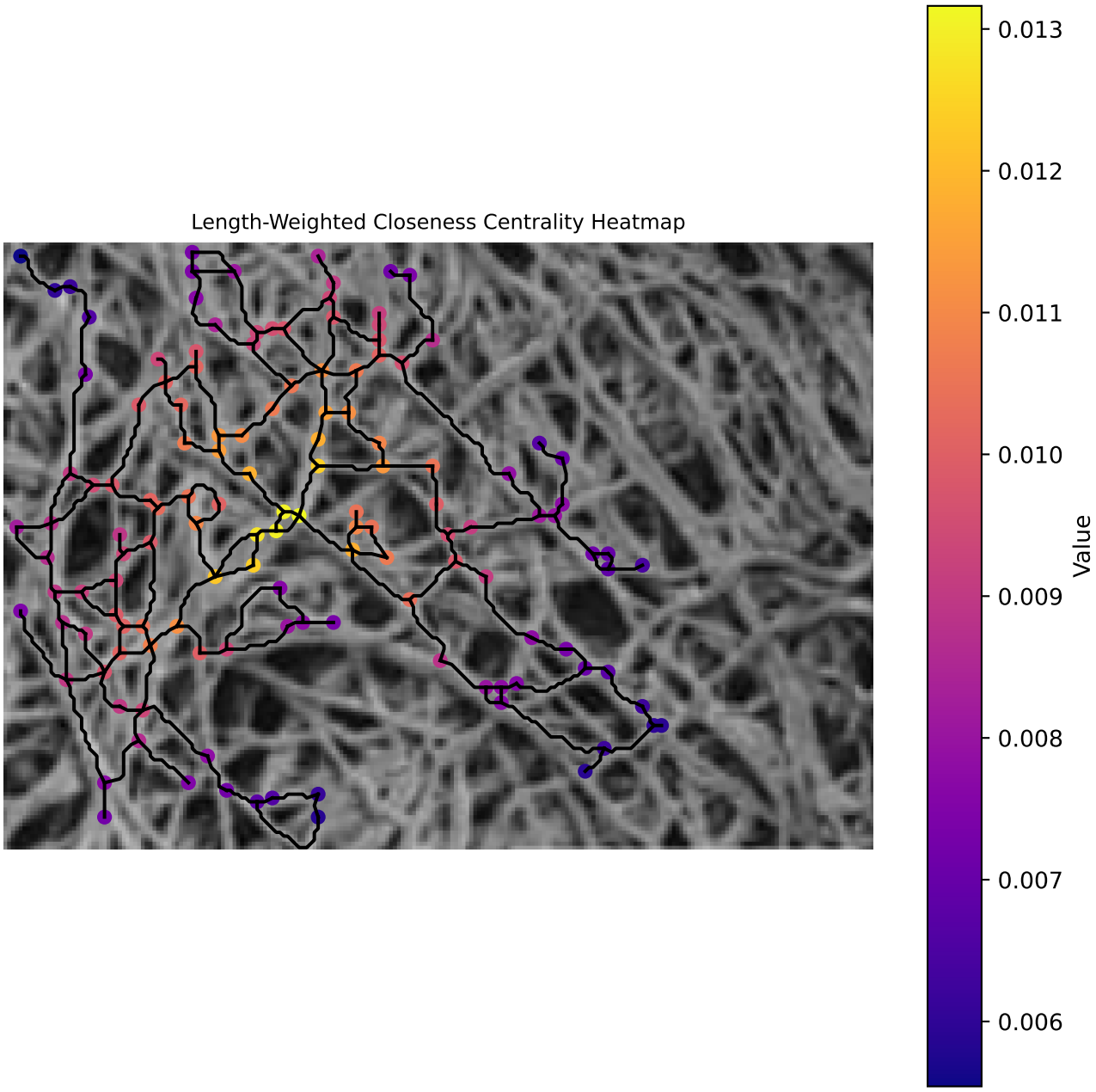

Weighted Degree: σ=17.894
Counts
Degree
0
2
4
6
8
10
12
0
20
40
60
80
100
120


Length-Weighted Closeness: σ=0.002
Counts
Closeness value
0
2
4
6
8
0.006
0.008
0.010
0.012


Degree Heatmap
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Value


Weighted Degree Heatmap
120
100
80
60
40
20
Value


Closeness Centrality Heatmap
0.15
0.14
0.13
0.12
0.11
0.10
0.09
0.08
0.07
Value


Length-Weighted Closeness Centrality Heatmap
0.013
0.012
0.011
0.010
0.009
0.008
0.007
0.006
Value

Run Info

InVitroBioFilm.png
2025-04-21 11:44:08

Image Filter Configurations
Global Threshold (128.0) || Gamma = 1.0

Microscopy Parameters
Scalebar Value = 0.0 nm || Scalebar Pixel Count = 1
Resistivity = 1.0Ωm

Image Scale
Size = 159 x 228 px || Scale Factor = 0.25

Graph Extraction Configurations
Weight Type: Diameter || Merge Nodes || Prune Dangling Edges
Remove Objects of Size = 500 || Remove Self Loops