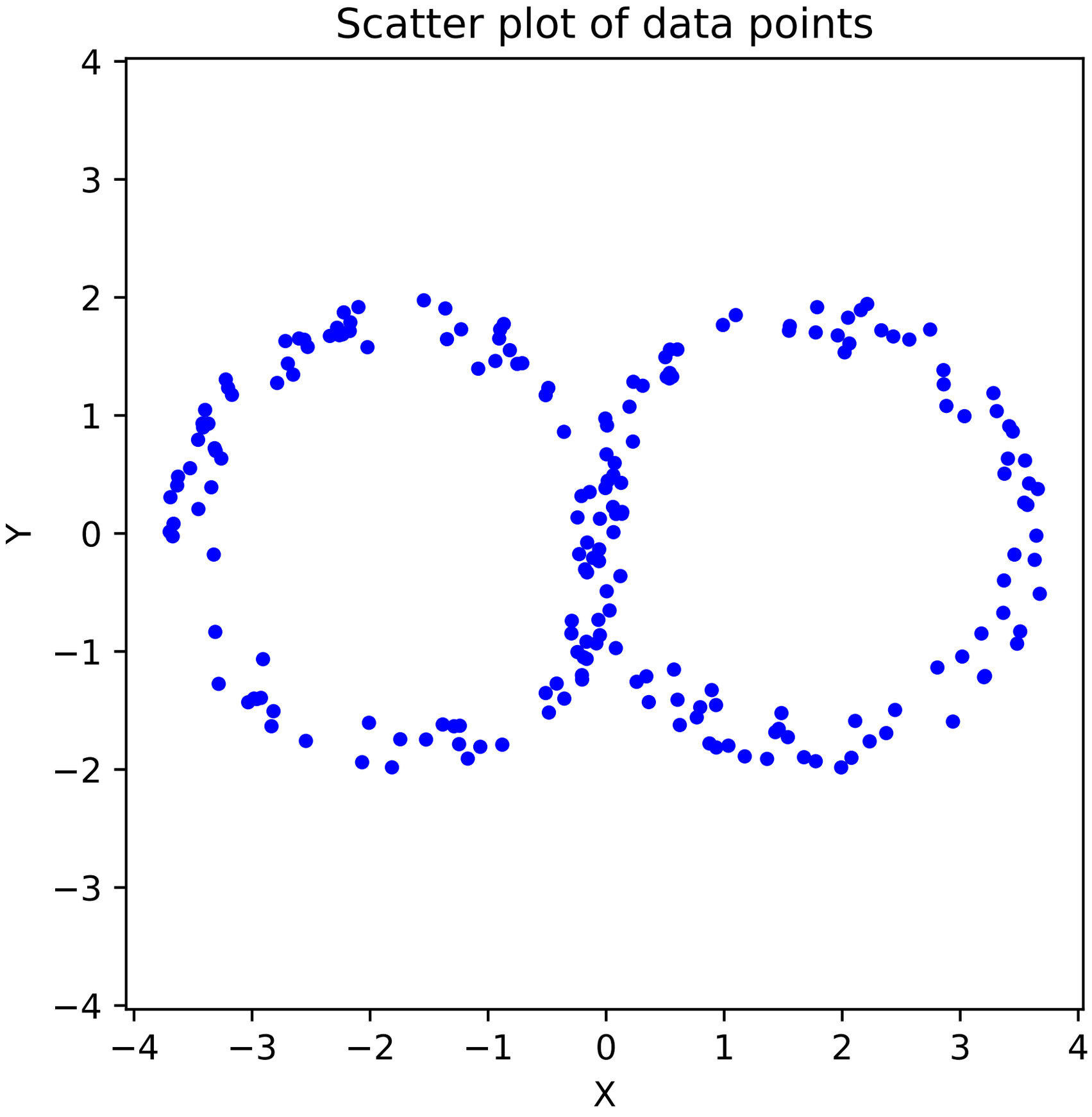
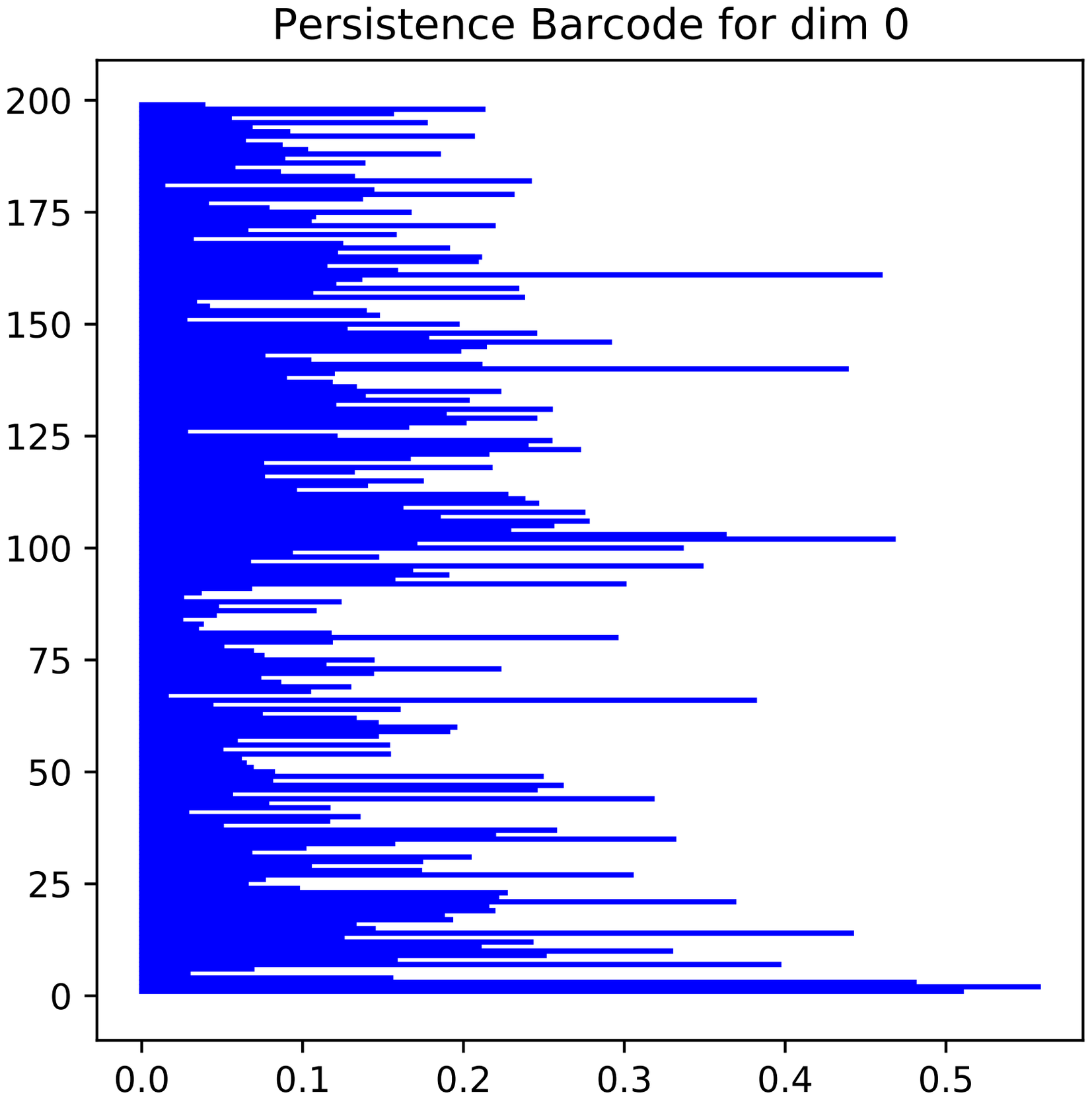
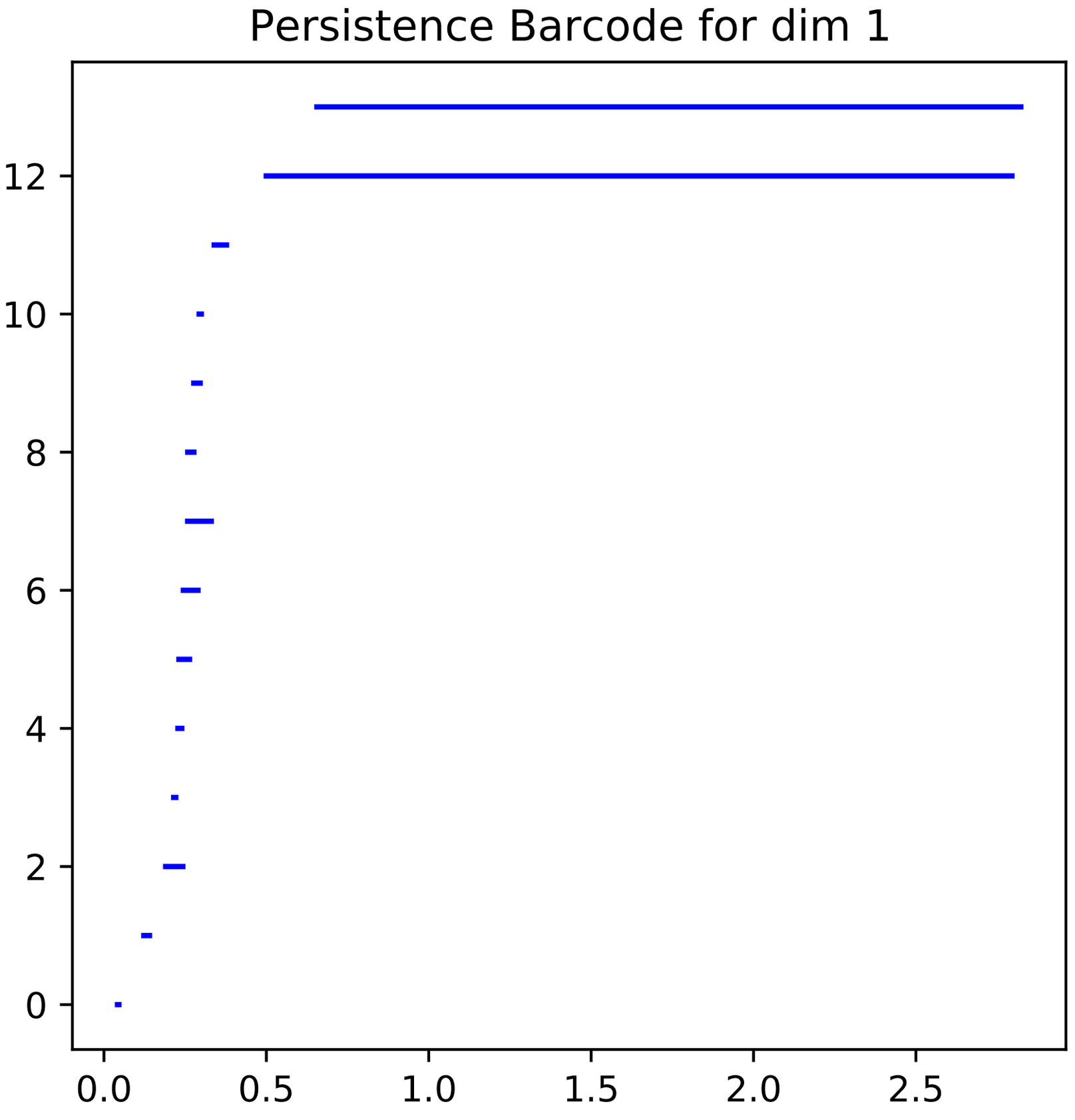
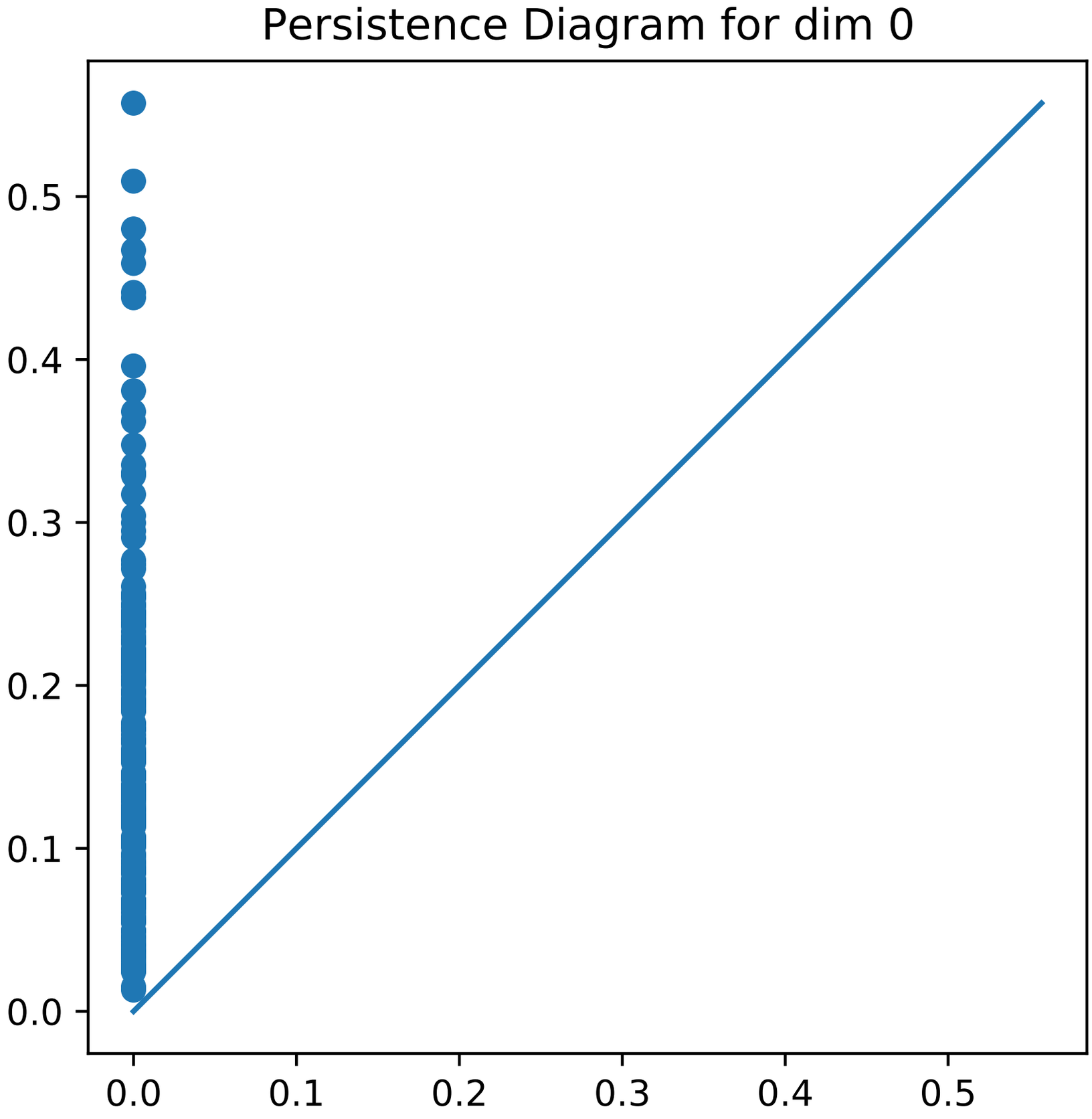
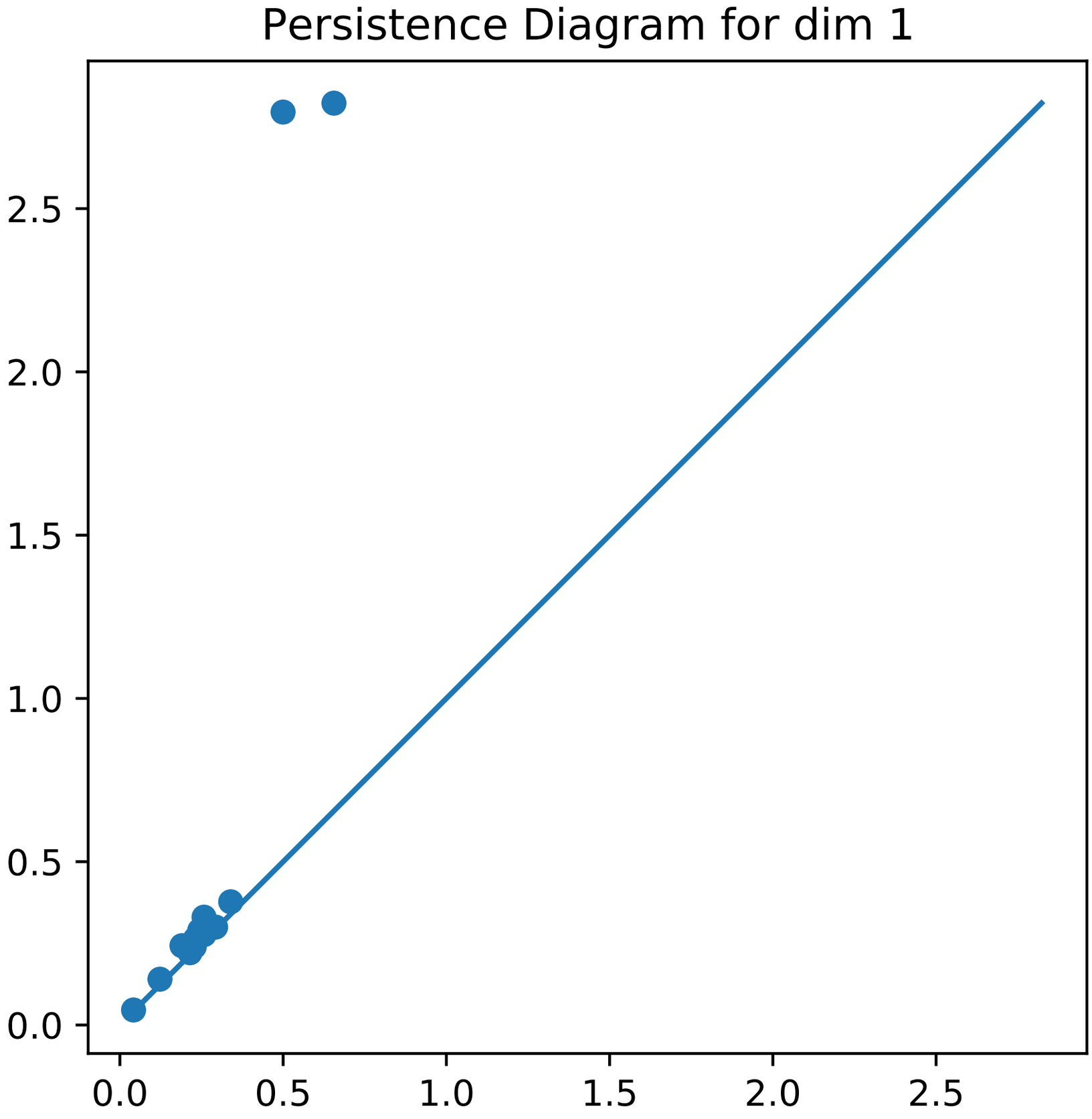
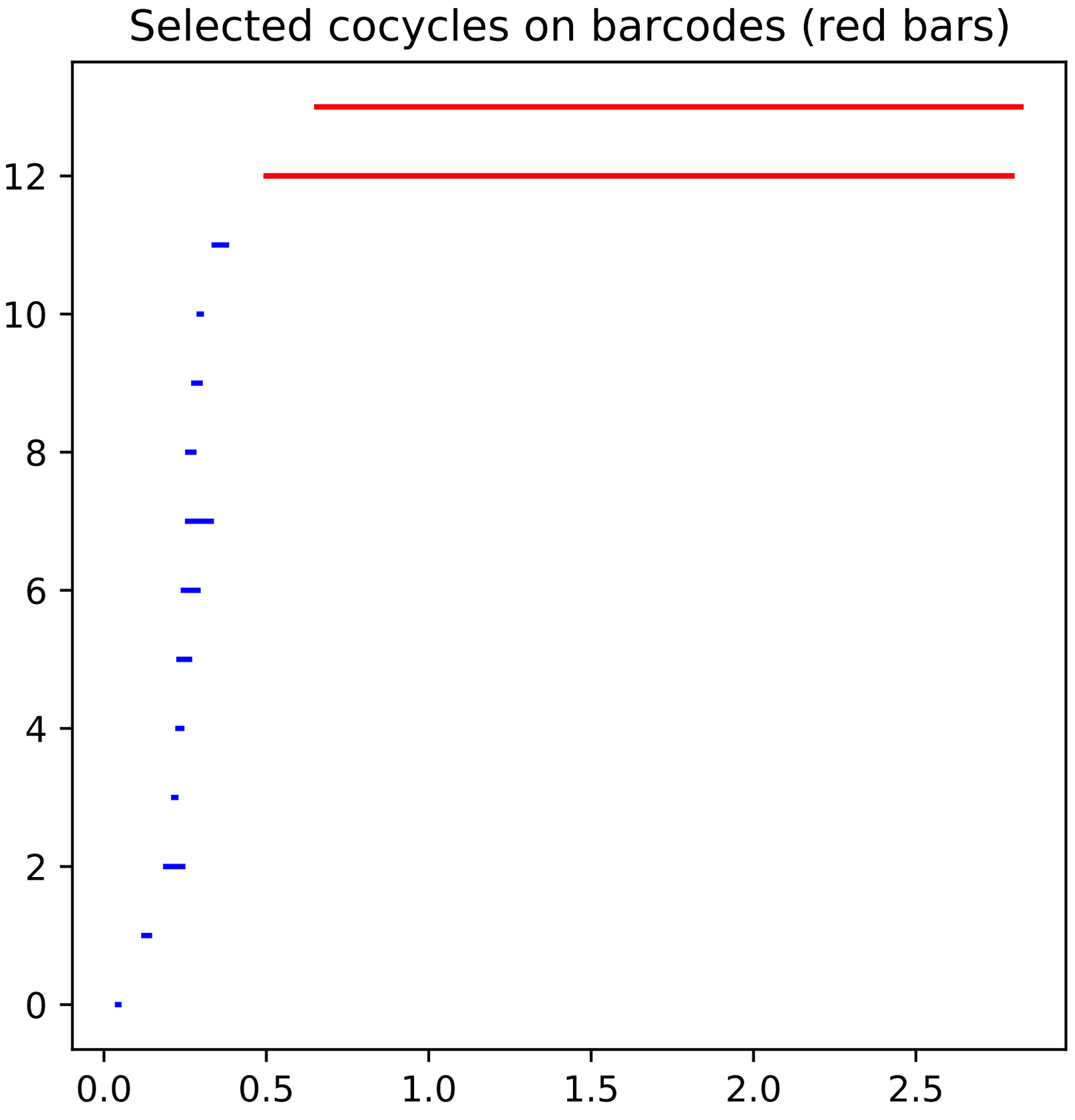

Scatter plot of data points
Y
X
4
3
2
1
0
−1
−2
−3
−4
−4
−3
−2
−1
0
1
2
3
4

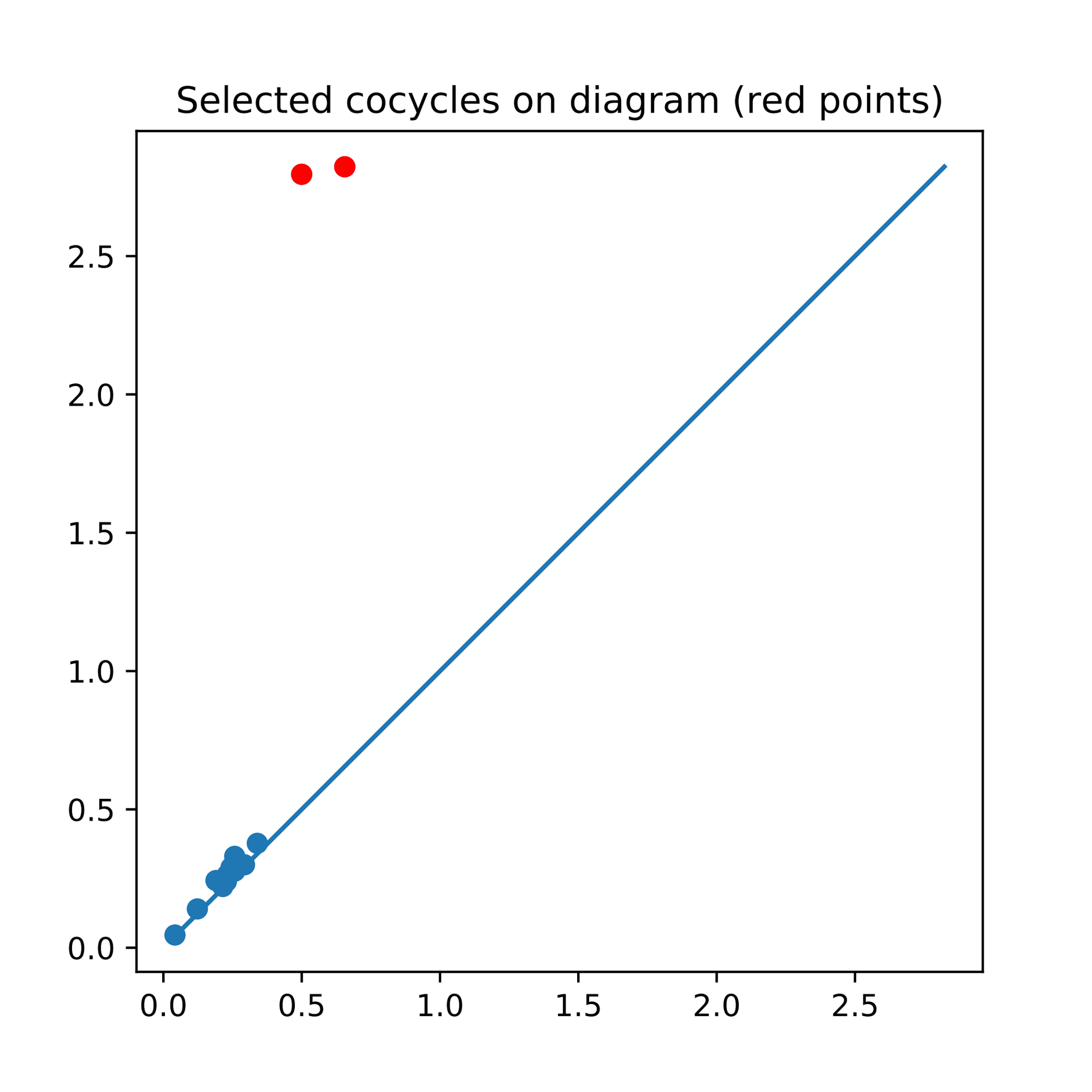

Persistence Barcode for dim 0
200
175
150
125
100
75
50
25
0
0.0
0.1
0.2
0.3
0.4
0.5

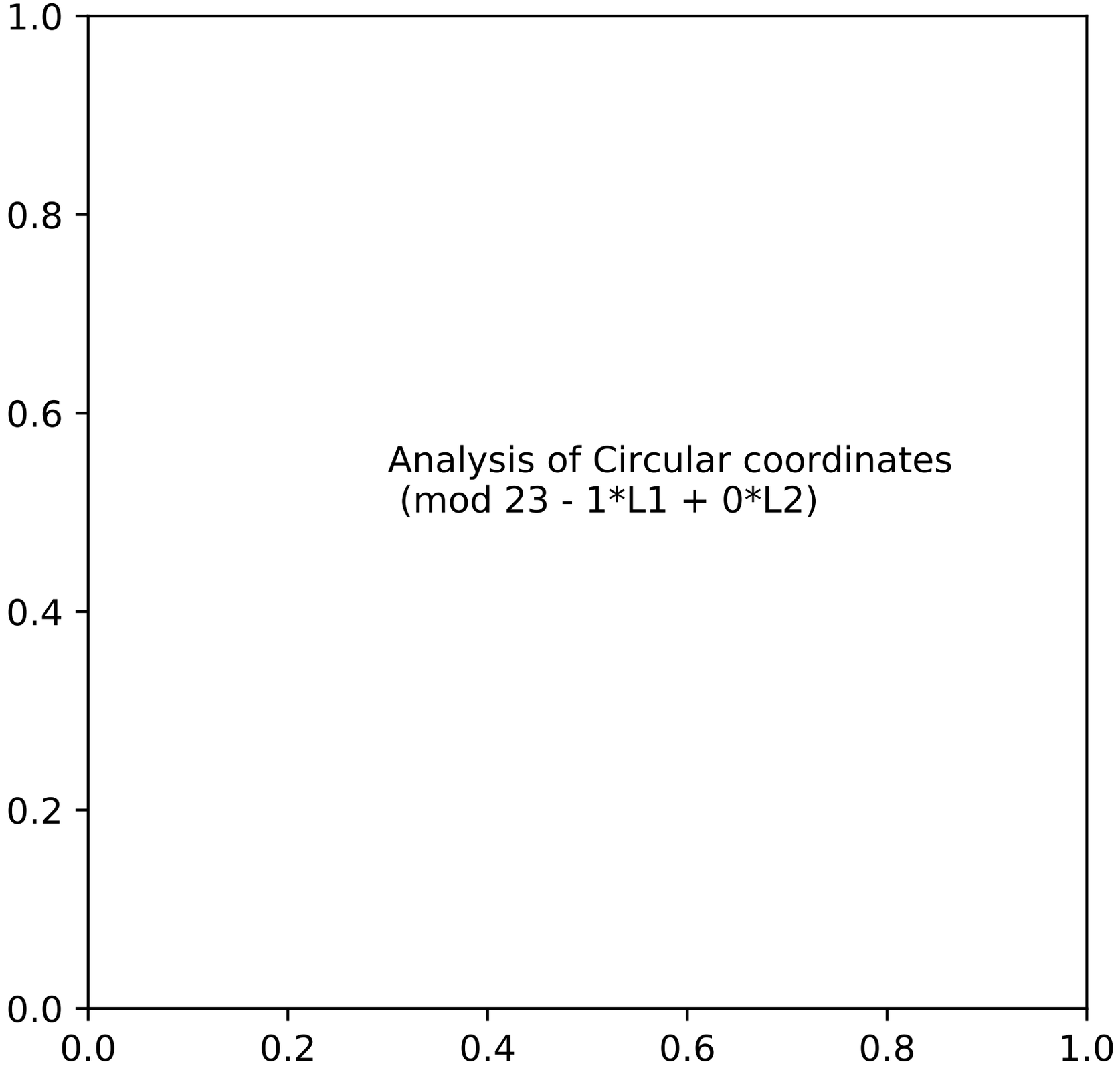

Persistence Barcode for dim 1
12
10
8
6
4
2
0
0.0
0.5
1.0
1.5
2.0
2.5

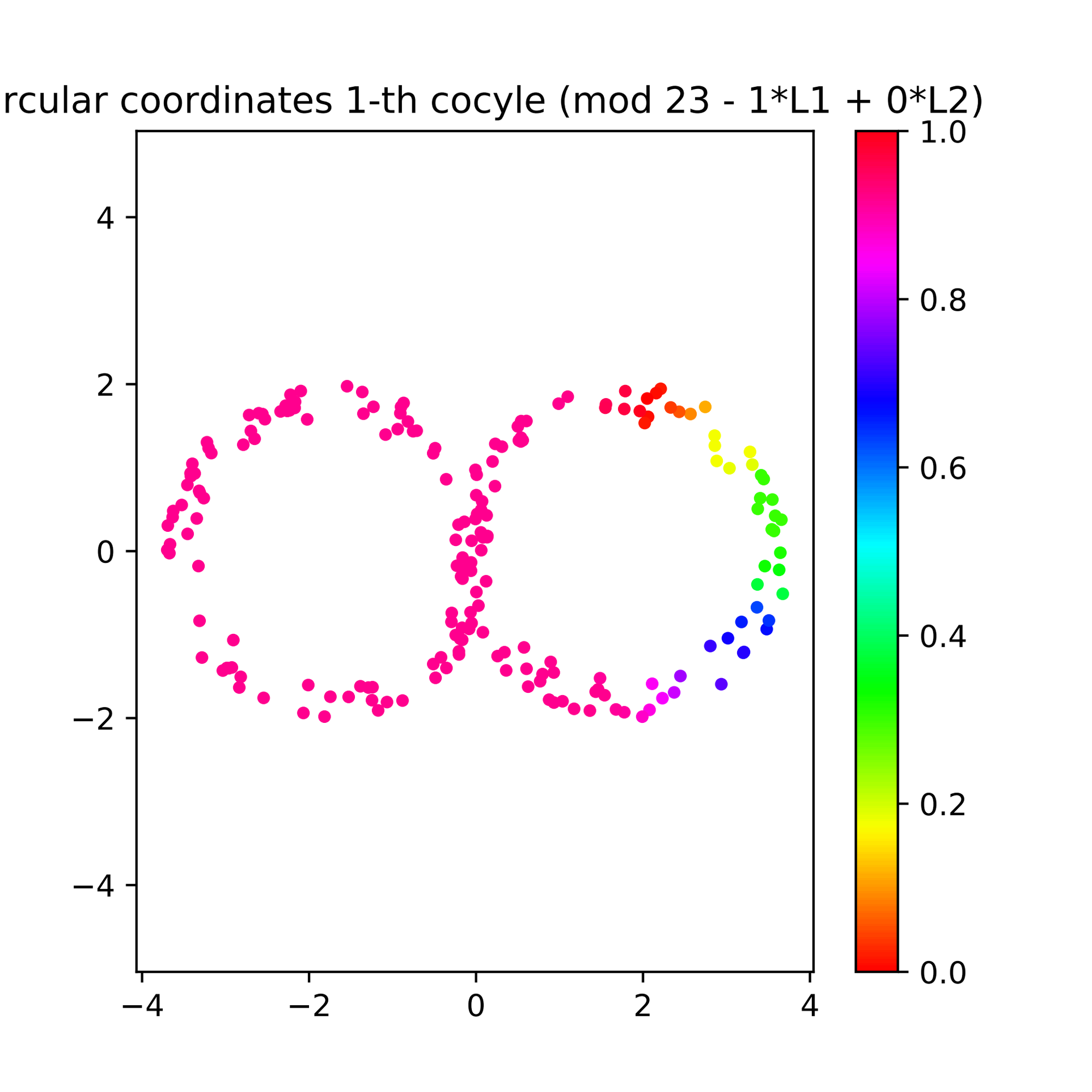

Persistence Diagram for dim 0
0.5
0.4
0.3
0.2
0.1
0.0
0.0
0.1
0.2
0.3
0.4
0.5

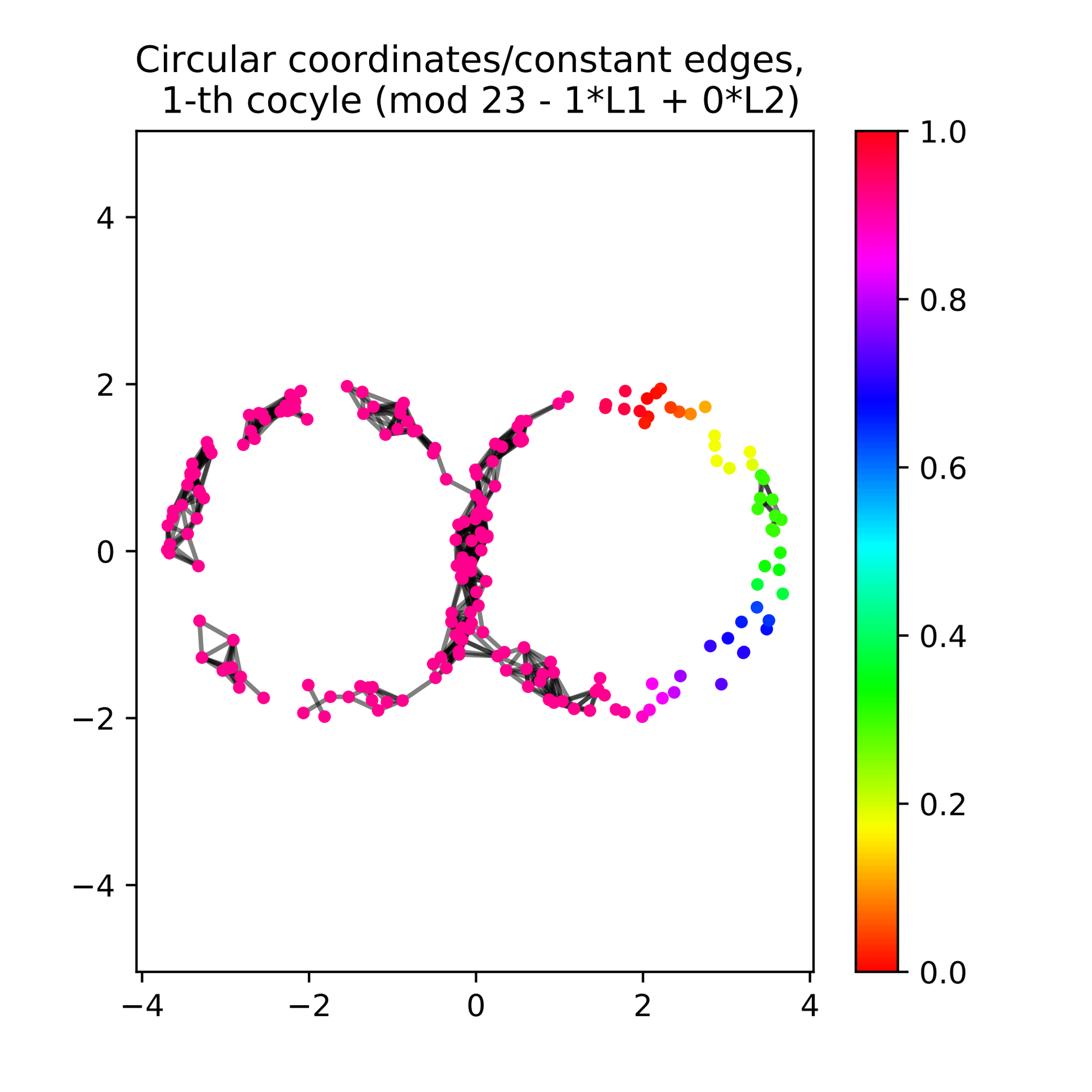

Persistence Diagram for dim 1
2.5
2.0
1.5
1.0
0.5
0.0
0.0
0.5
1.0
1.5
2.0
2.5

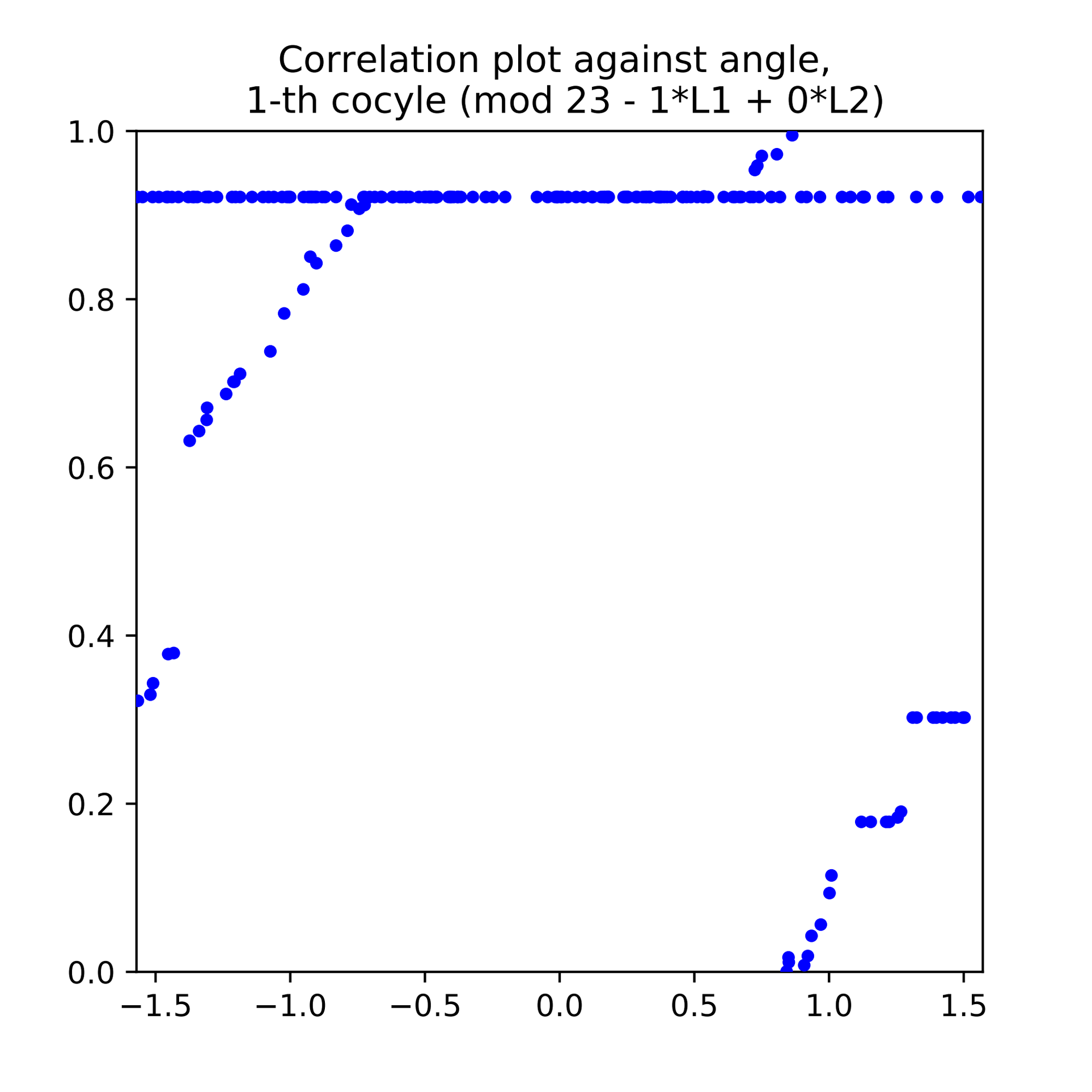

Selected cocycles on barcodes (red bars)
12
10
8
6
4
2
0
0.0
0.5
1.0
1.5
2.0
2.5

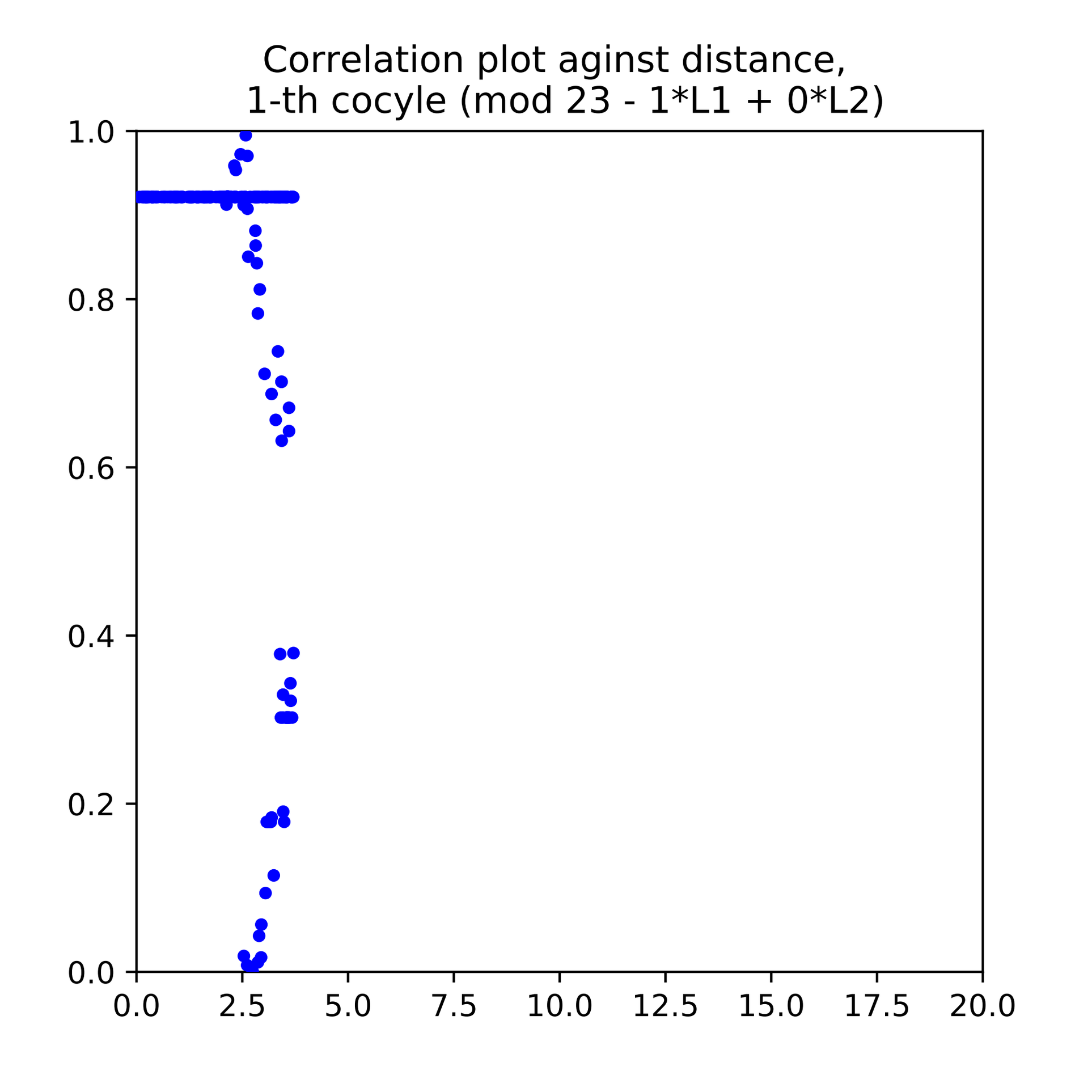

Selected cocycles on diagram (red points)
0.0
0.5
1.0
1.5
2.0
2.5
0.0
0.5
1.0
1.5
2.0
2.5

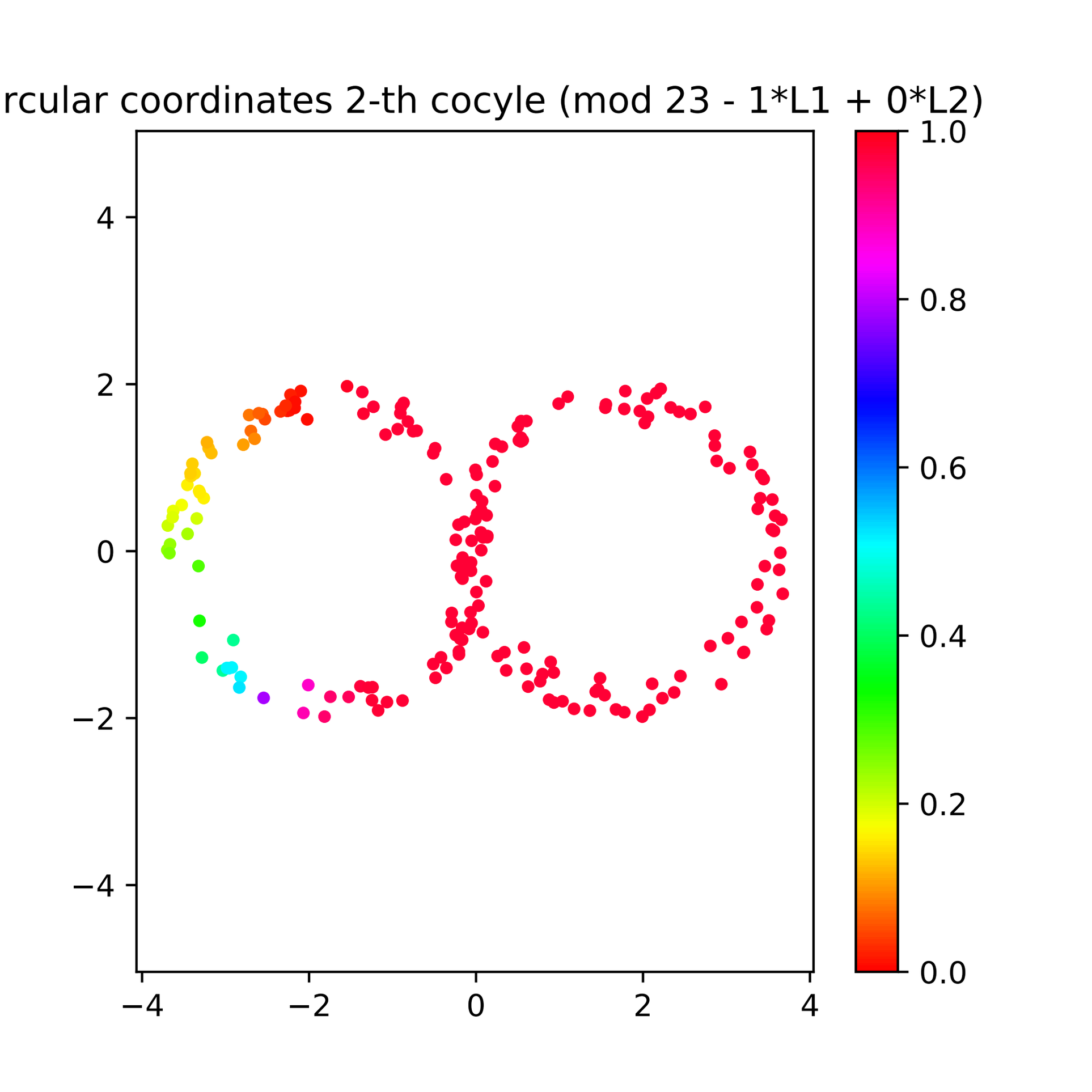

Analysis of Circular coordinates
(mod 23 - 1*L1 + 0*L2)
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

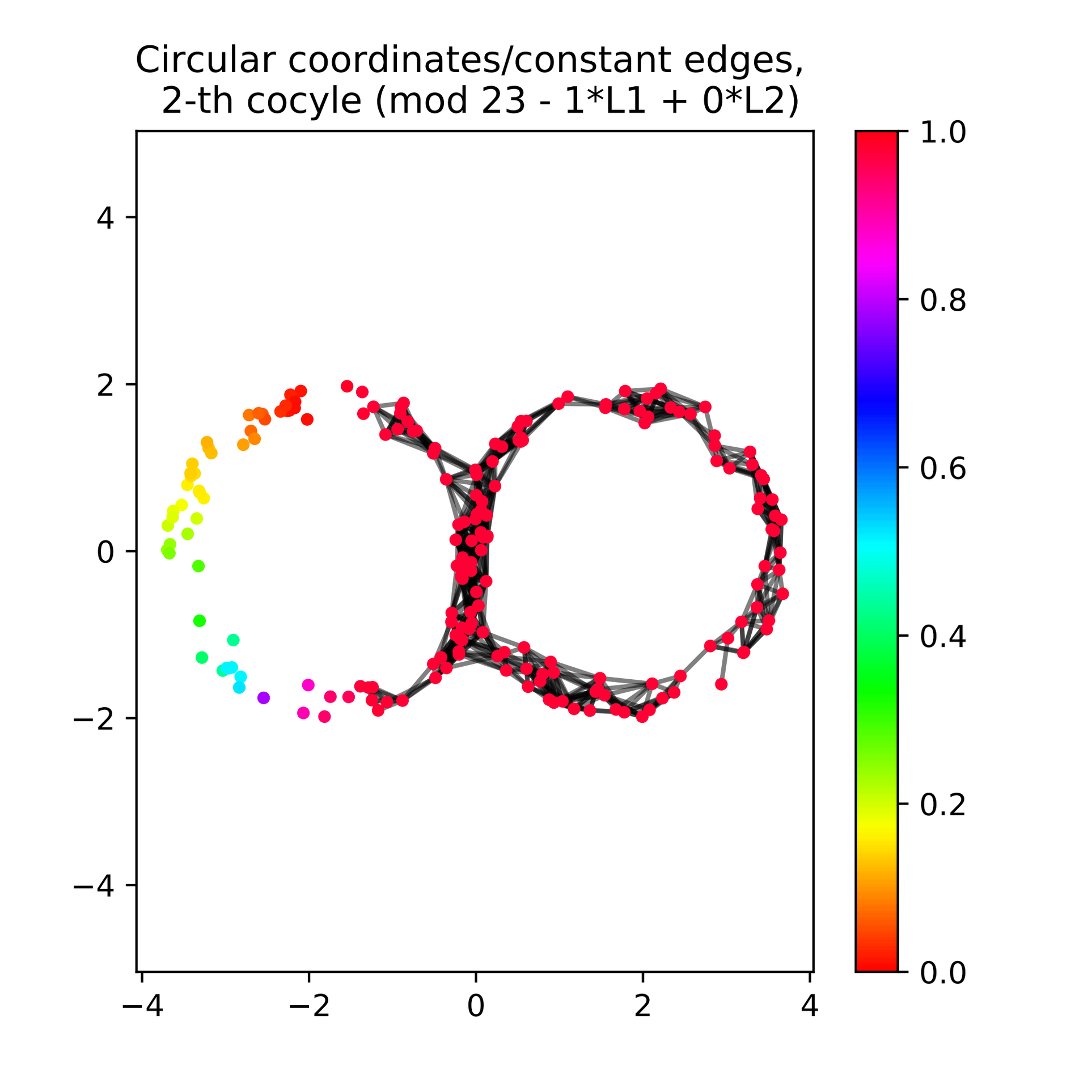

rcular coordinates 1-th cocyle (mod 23 - 1*L1 + 0*L2)
4
2
0
−2
−4
−4
−2
0
2
4
1.0
0.8
0.6
0.4
0.2
0.0

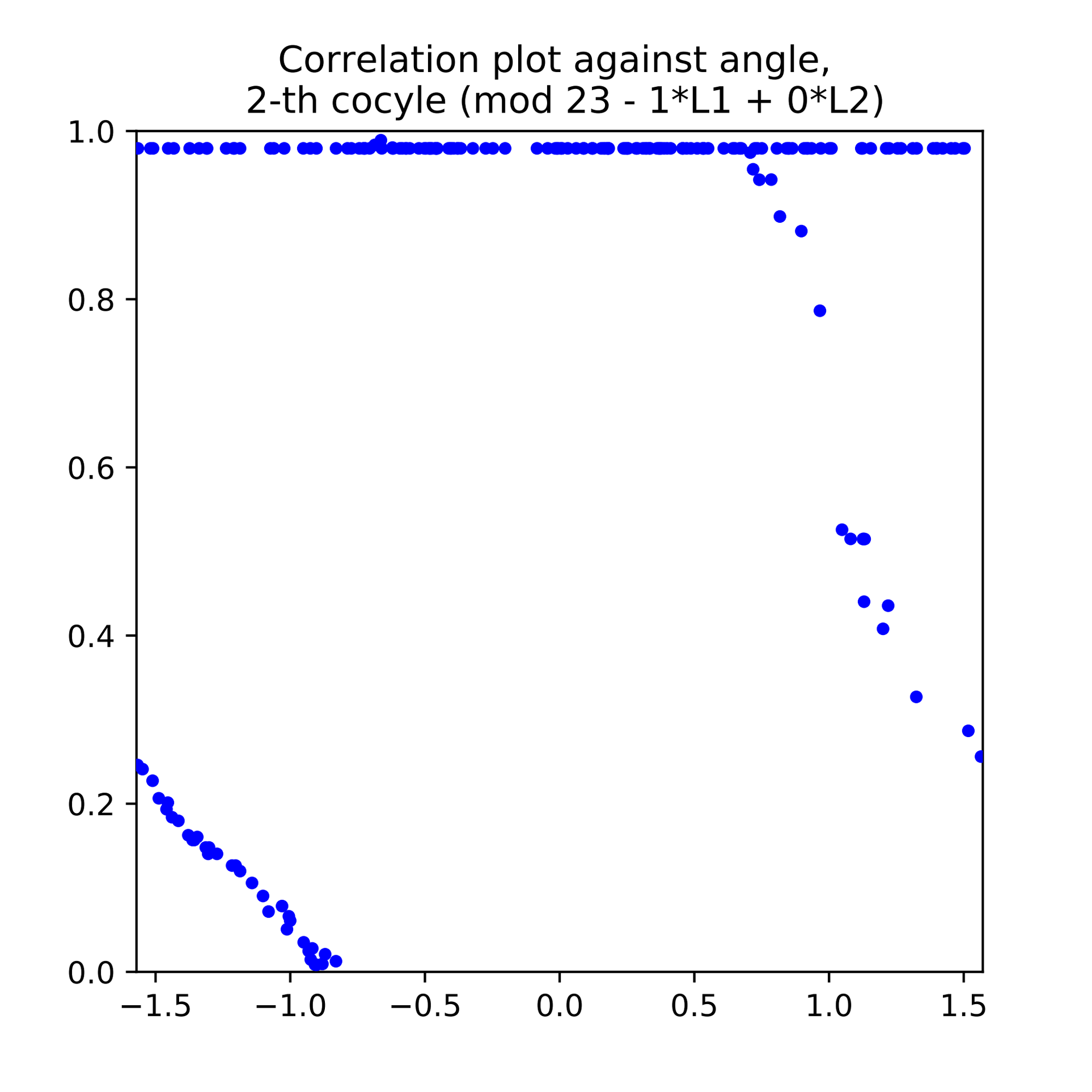

Circular coordinates/constant edges,
1-th cocyle (mod 23 - 1*L1 + 0*L2)
4
2
0
−2
−4
−4
−2
0
2
4
1.0
0.8
0.6
0.4
0.2
0.0

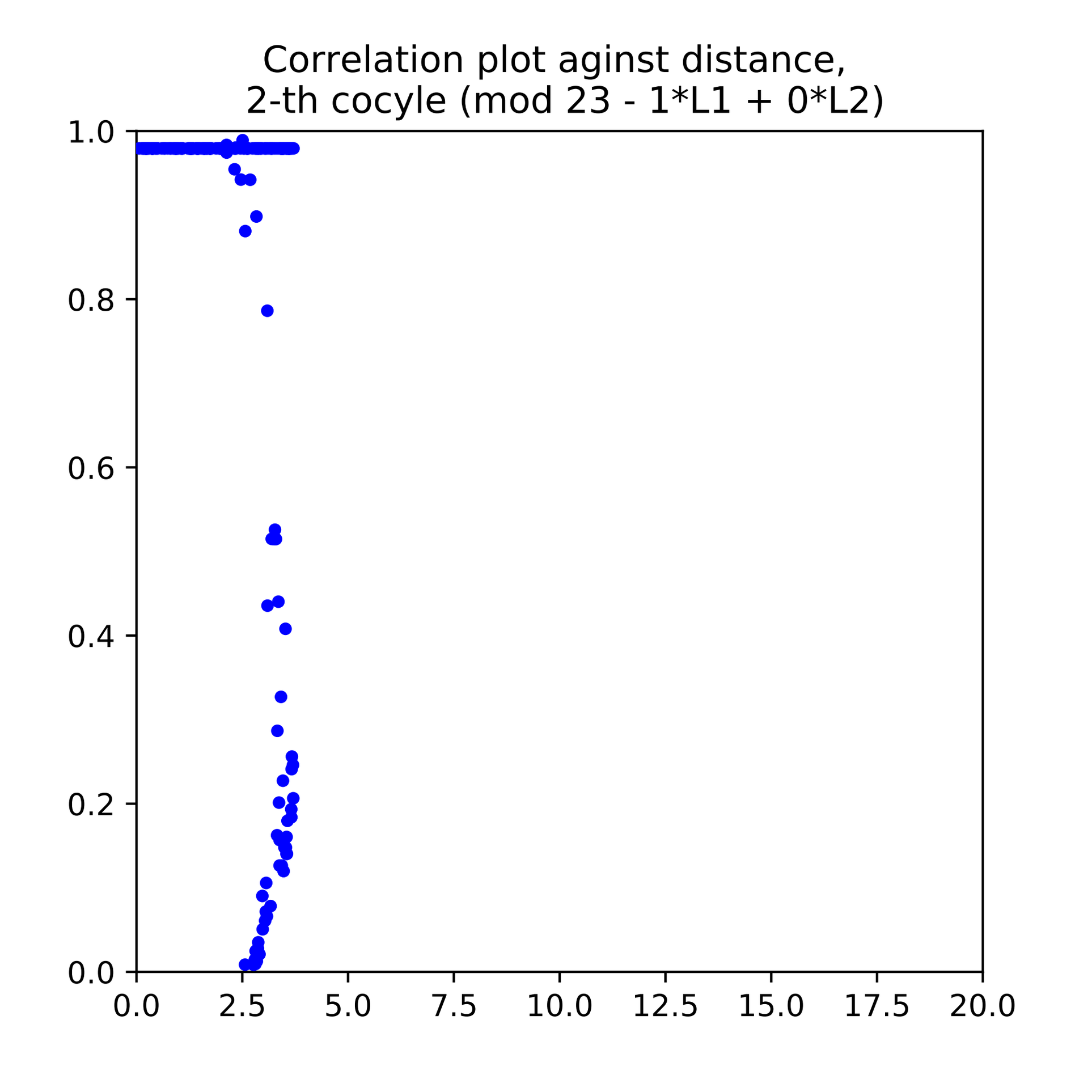

Correlation plot against angle,
1-th cocyle (mod 23 - 1*L1 + 0*L2)
1.0
0.8
0.6
0.4
0.2
0.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5

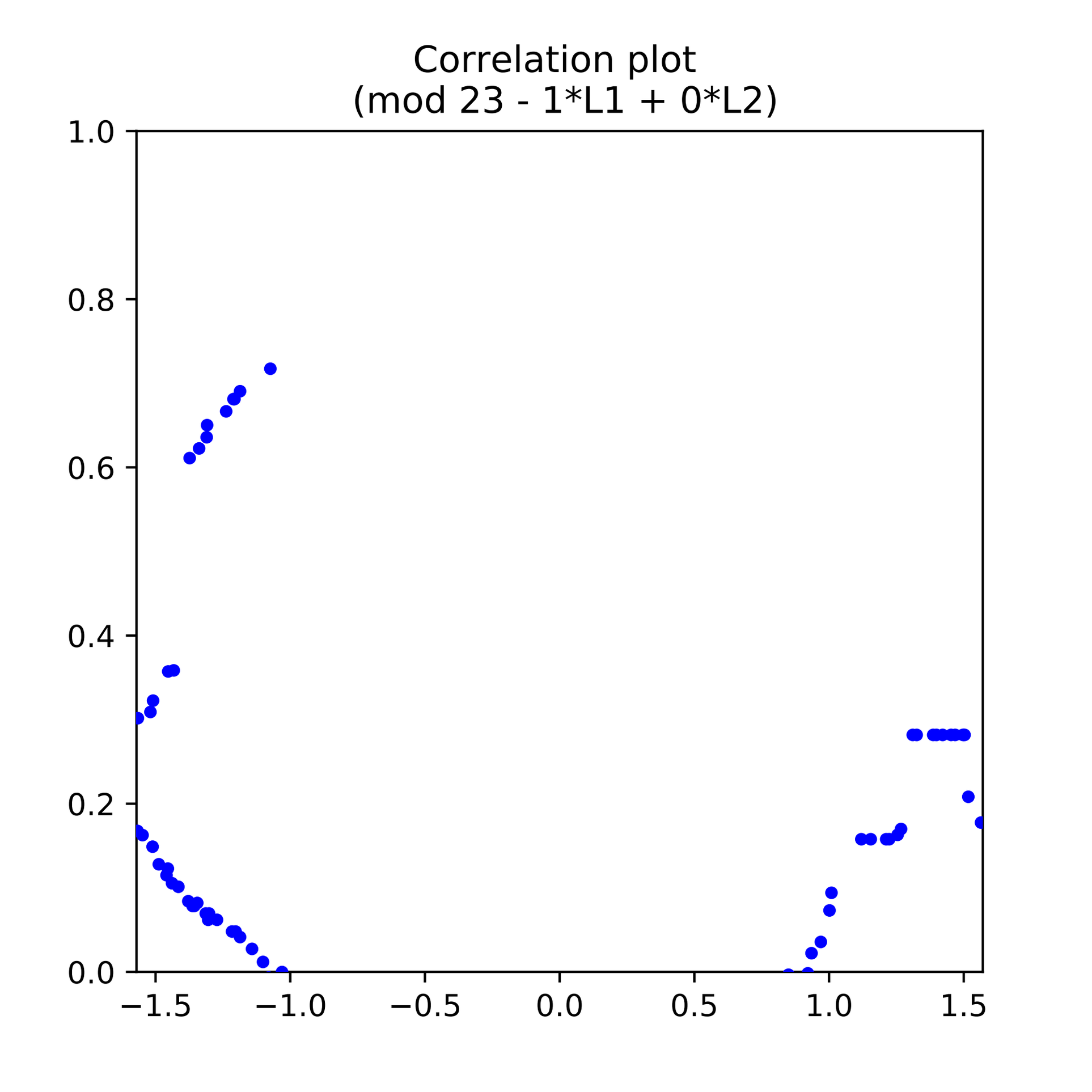

Correlation plot aginst distance,
1-th cocyle (mod 23 - 1*L1 + 0*L2)
1.0
0.8
0.6
0.4
0.2
0.0
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0

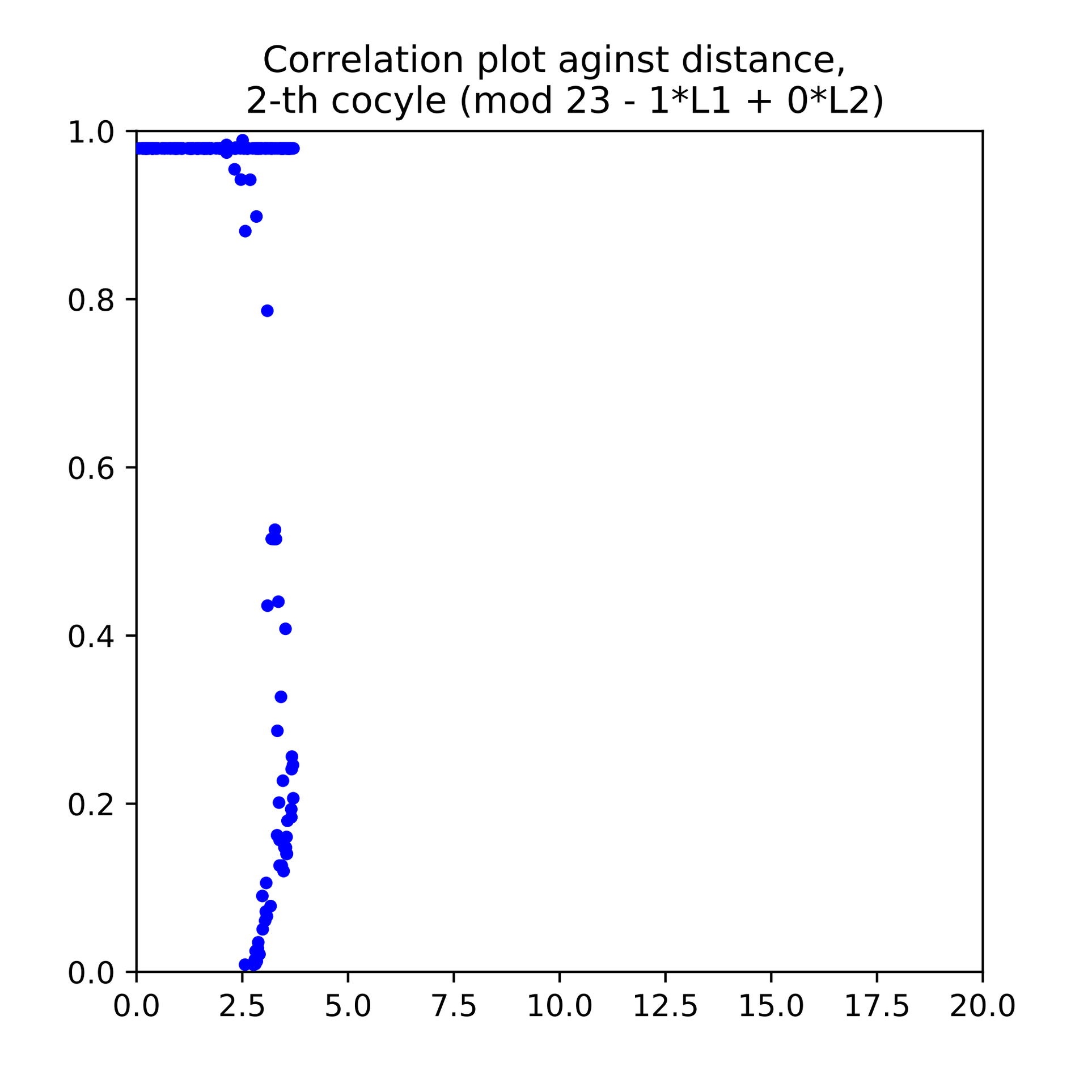

rcular coordinates 2-th cocyle (mod 23 - 1*L1 + 0*L2)
4
2
0
−2
−4
−4
−2
0
2
4
1.0
0.8
0.6
0.4
0.2
0.0

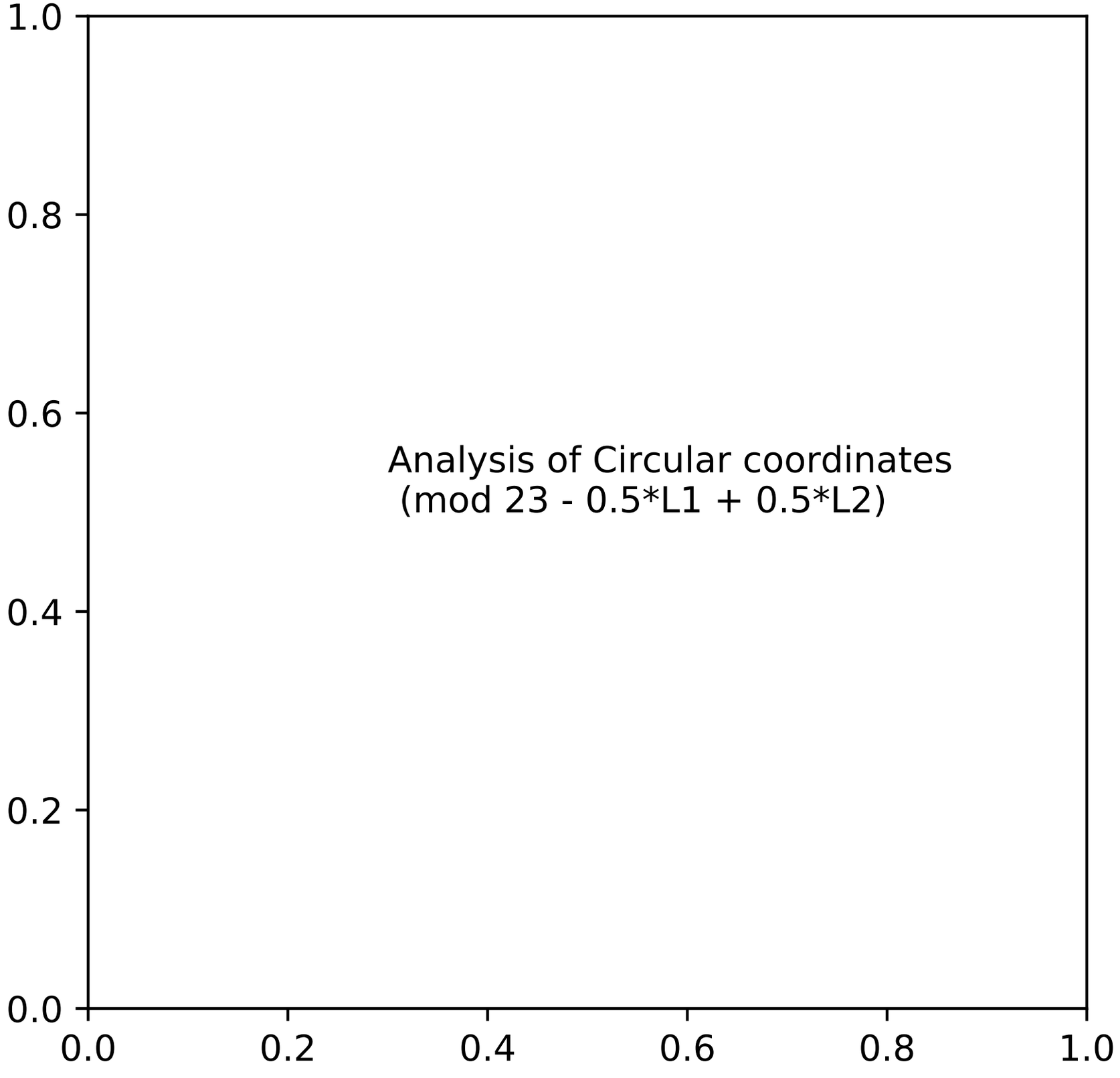

Circular coordinates/constant edges,
2-th cocyle (mod 23 - 1*L1 + 0*L2)
4
2
0
−2
−4
−4
−2
0
2
4
1.0
0.8
0.6
0.4
0.2
0.0

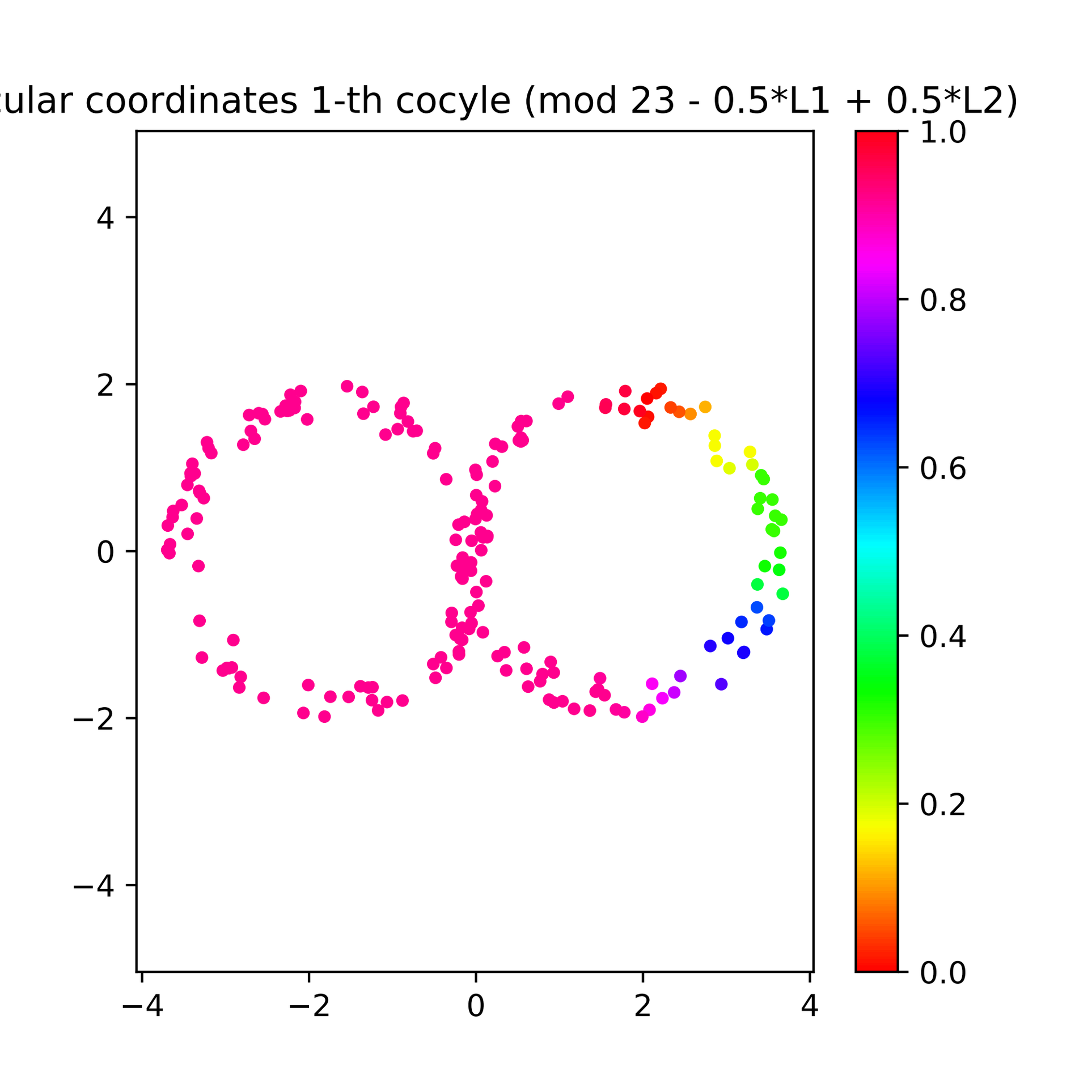

Correlation plot against angle,
2-th cocyle (mod 23 - 1*L1 + 0*L2)
1.0
0.8
0.6
0.4
0.2
0.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5

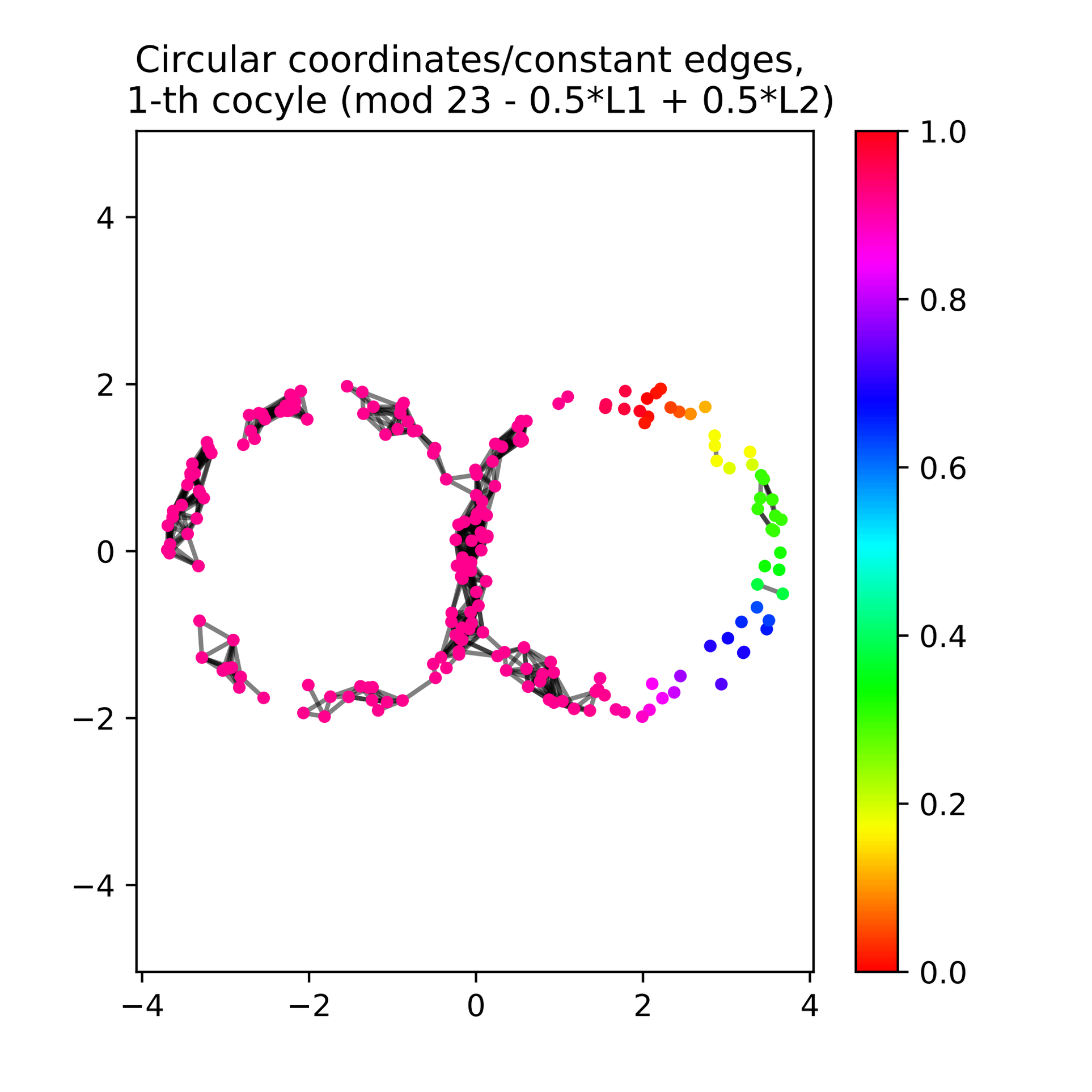

Correlation plot aginst distance,
2-th cocyle (mod 23 - 1*L1 + 0*L2)
1.0
0.8
0.6
0.4
0.2
0.0
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0

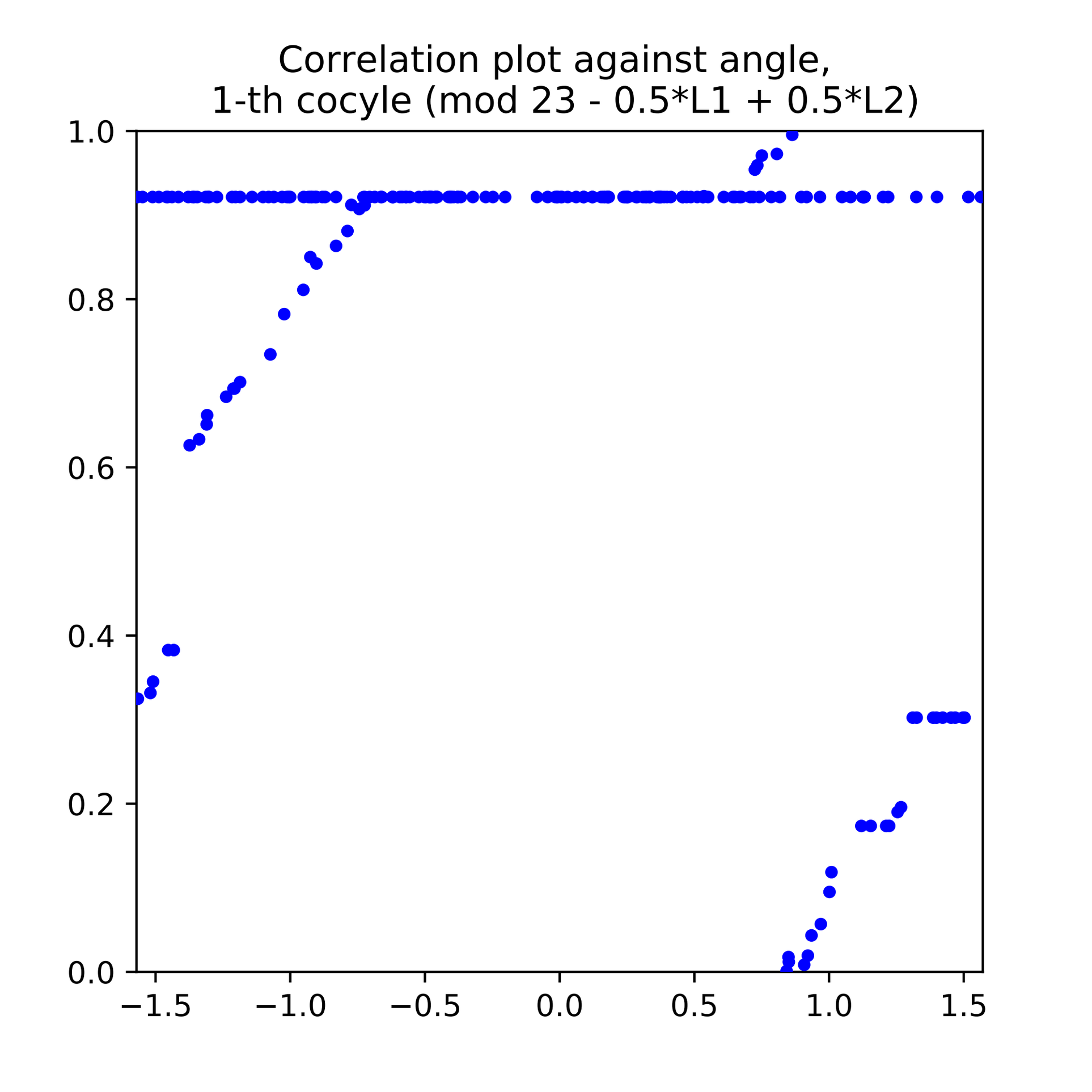

Correlation plot
(mod 23 - 1*L1 + 0*L2)
1.0
0.8
0.6
0.4
0.2
0.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5

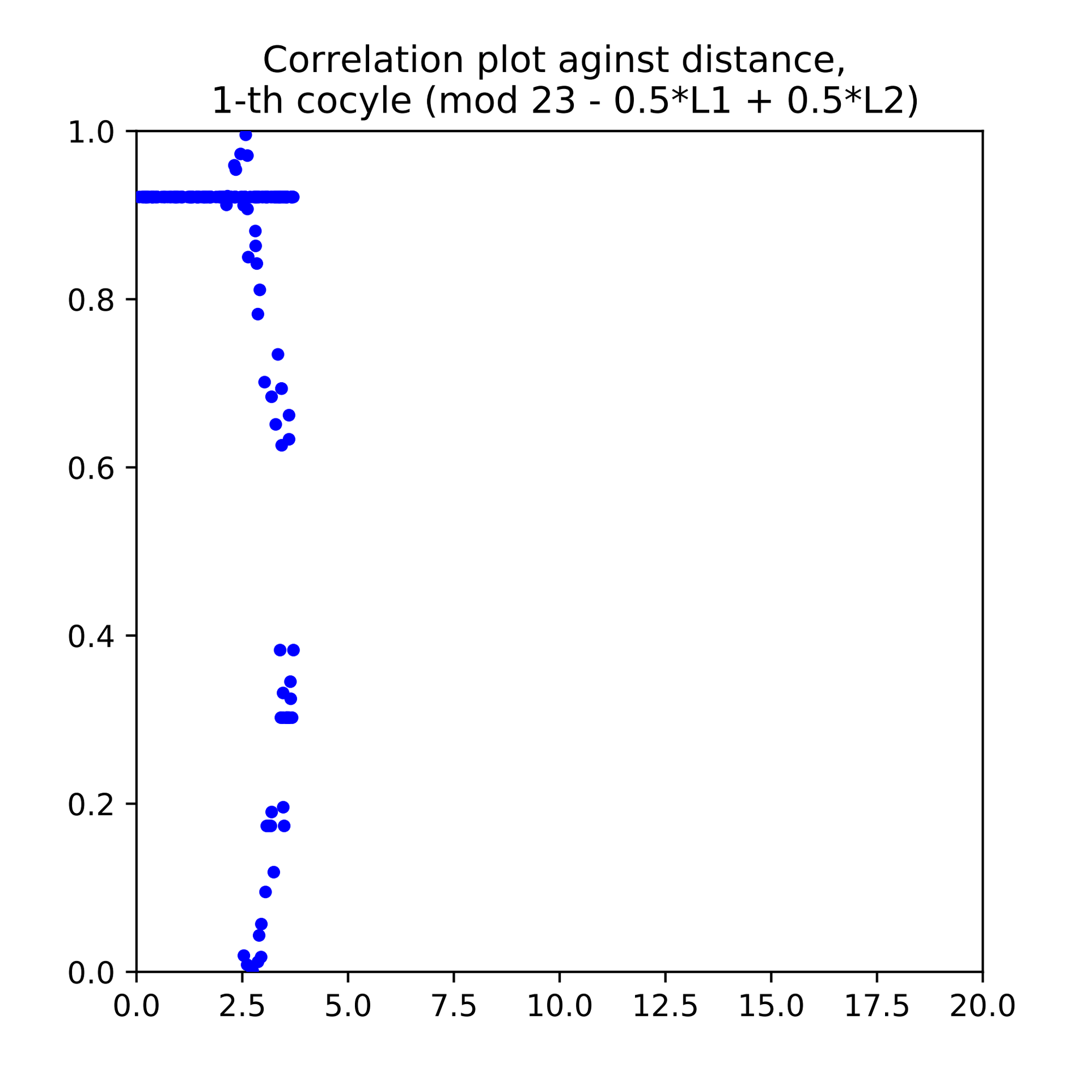

Correlation plot aginst distance,
2-th cocyle (mod 23 - 1*L1 + 0*L2)
1.0
0.8
0.6
0.4
0.2
0.0
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0

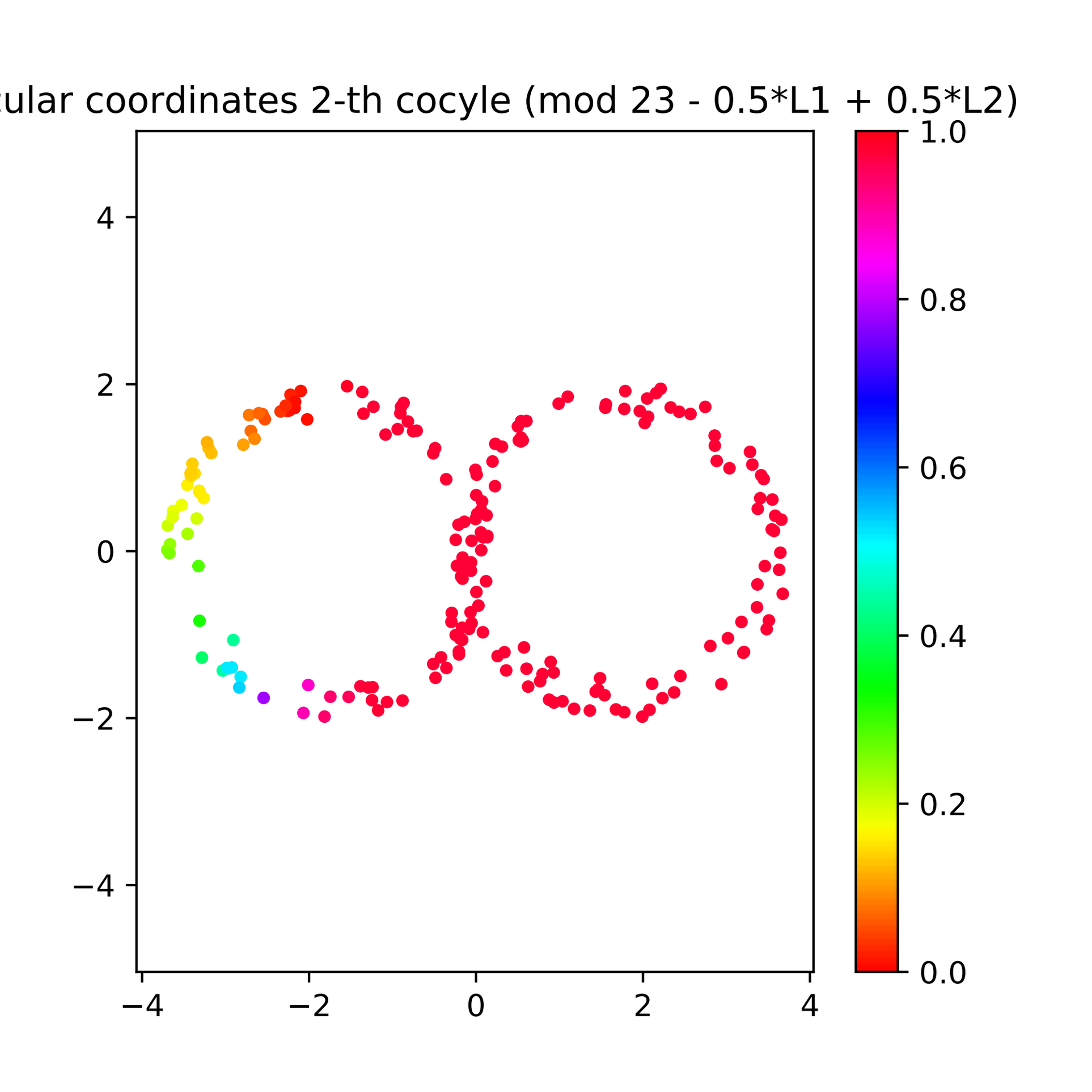

Analysis of Circular coordinates
(mod 23 - 0.5*L1 + 0.5*L2)
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

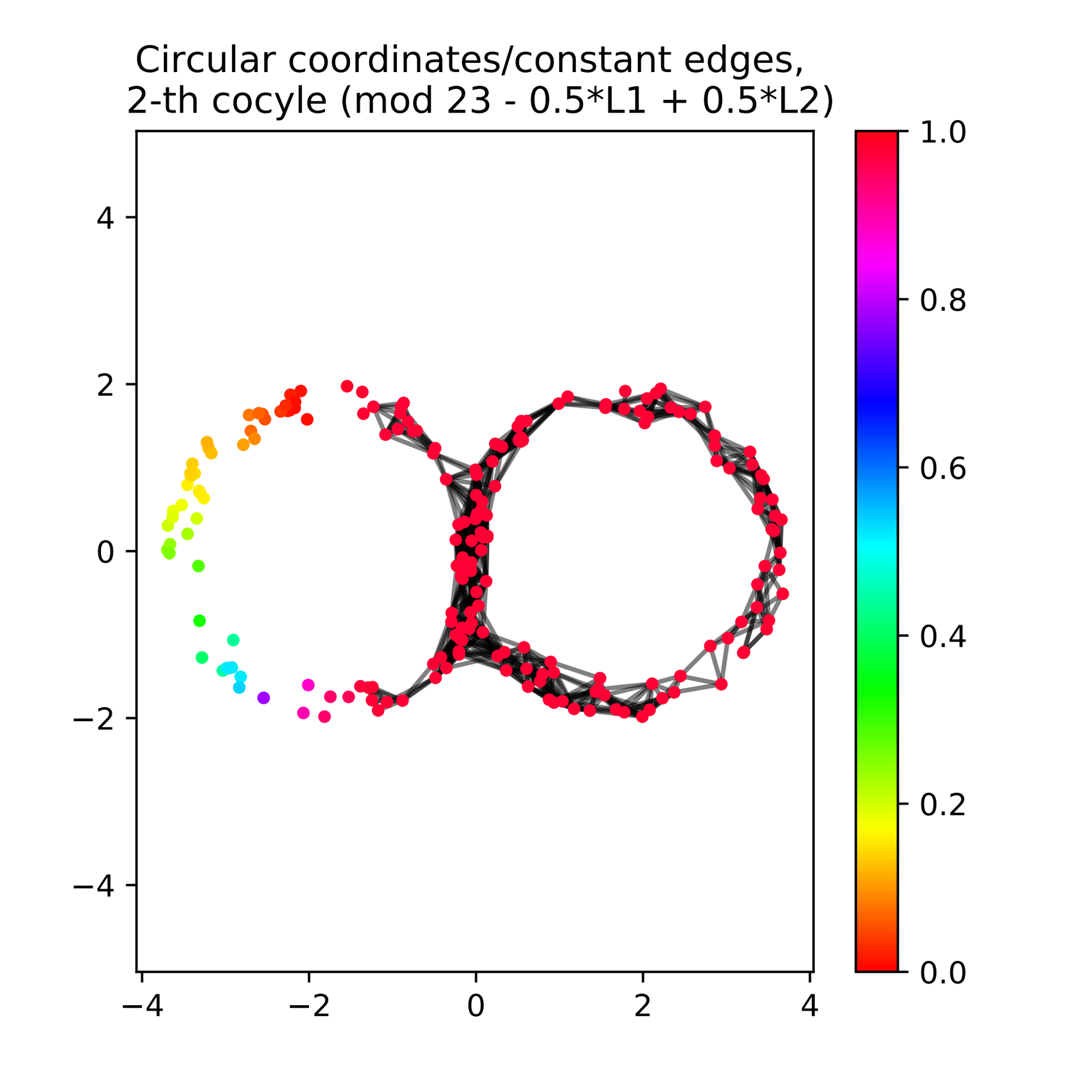

ular coordinates 1-th cocyle (mod 23 - 0.5*L1 + 0.5*L2)
4
2
0
−2
−4
−4
−2
0
2
4
1.0
0.8
0.6
0.4
0.2
0.0

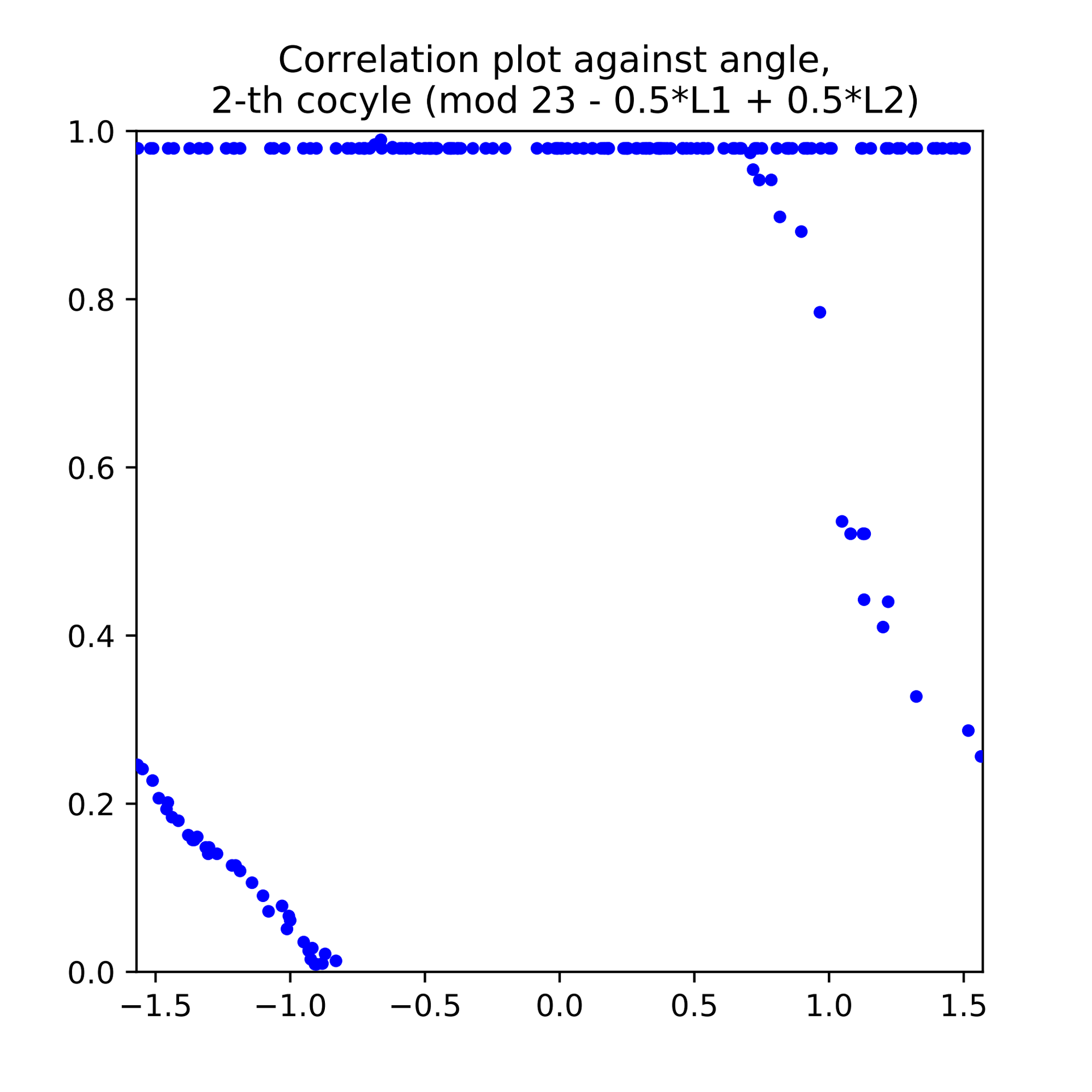

Circular coordinates/constant edges,
1-th cocyle (mod 23 - 0.5*L1 + 0.5*L2)
4
2
0
−2
−4
−4
−2
0
2
4
1.0
0.8
0.6
0.4
0.2
0.0

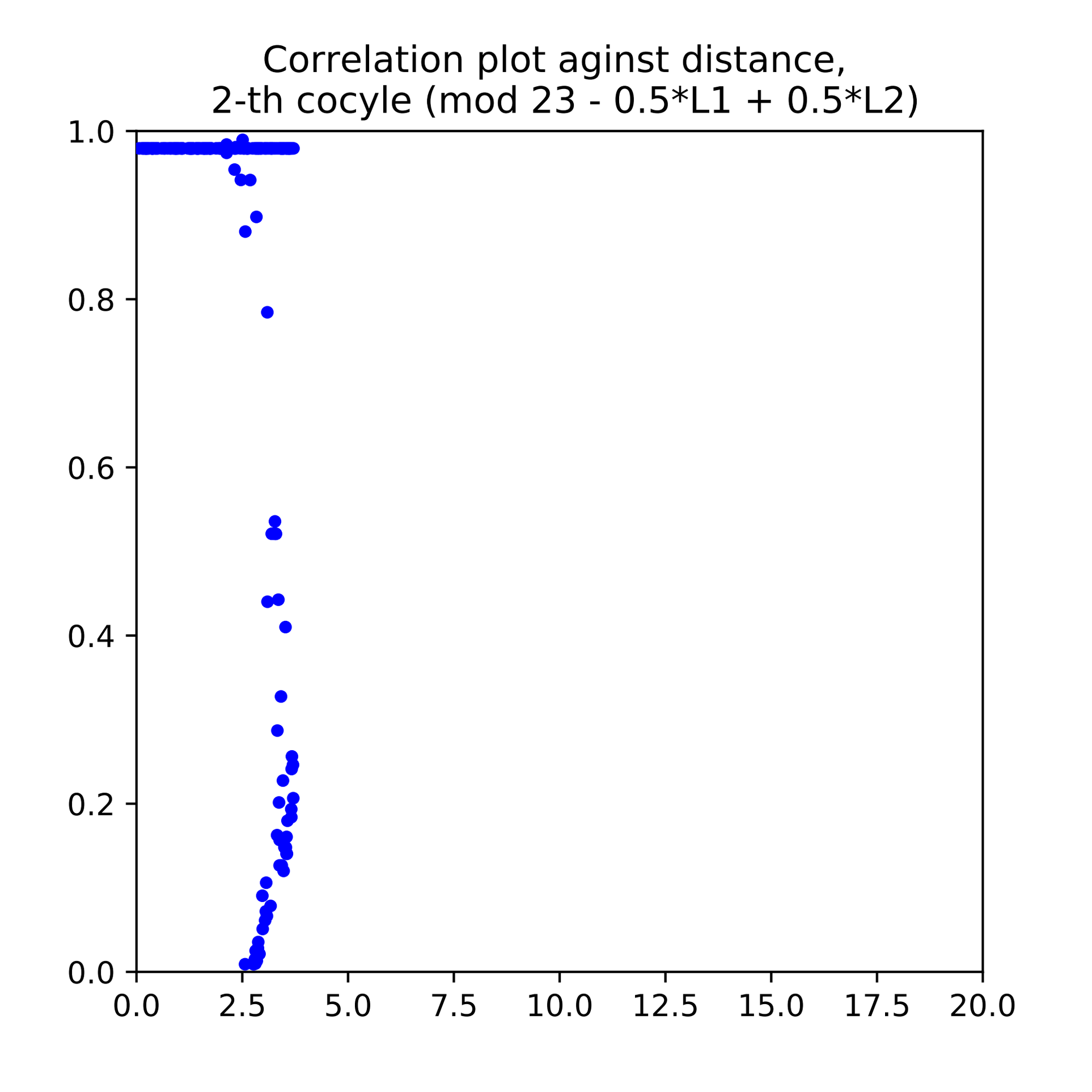

Correlation plot against angle,
1-th cocyle (mod 23 - 0.5*L1 + 0.5*L2)
1.0
0.8
0.6
0.4
0.2
0.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5

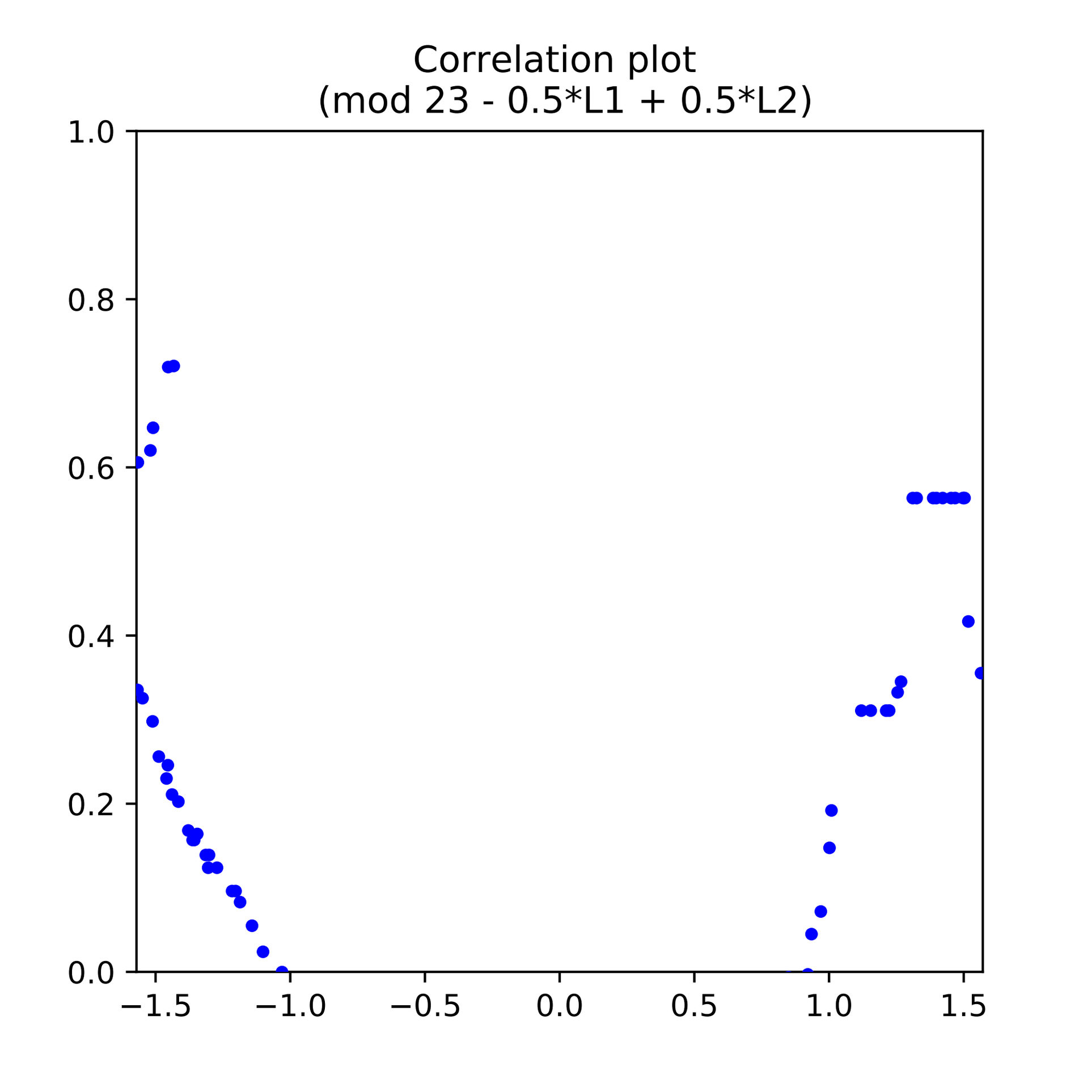

Correlation plot aginst distance,
1-th cocyle (mod 23 - 0.5*L1 + 0.5*L2)
1.0
0.8
0.6
0.4
0.2
0.0
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0

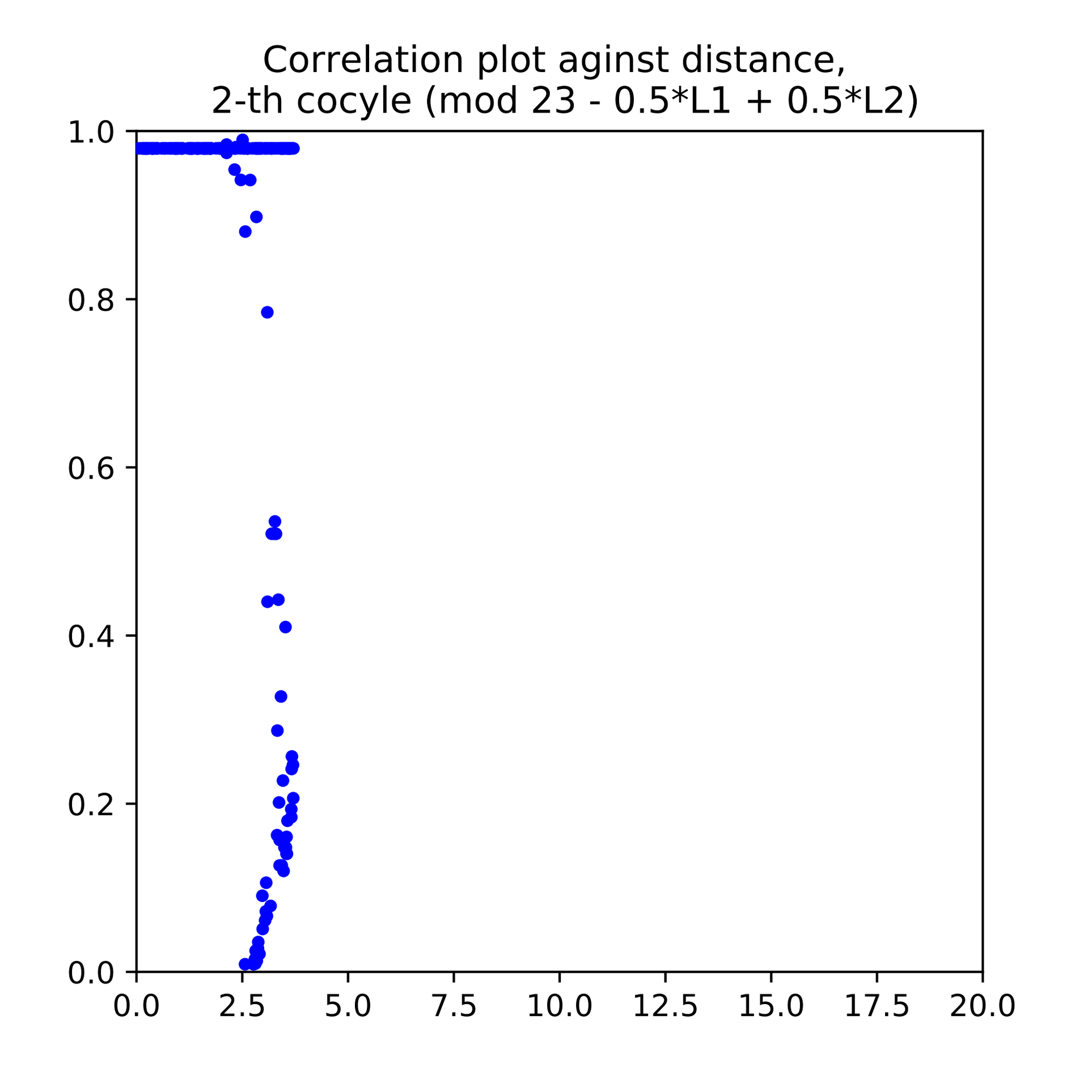

ular coordinates 2-th cocyle (mod 23 - 0.5*L1 + 0.5*L2)
4
2
0
−2
−4
−4
−2
0
2
4
1.0
0.8
0.6
0.4
0.2
0.0

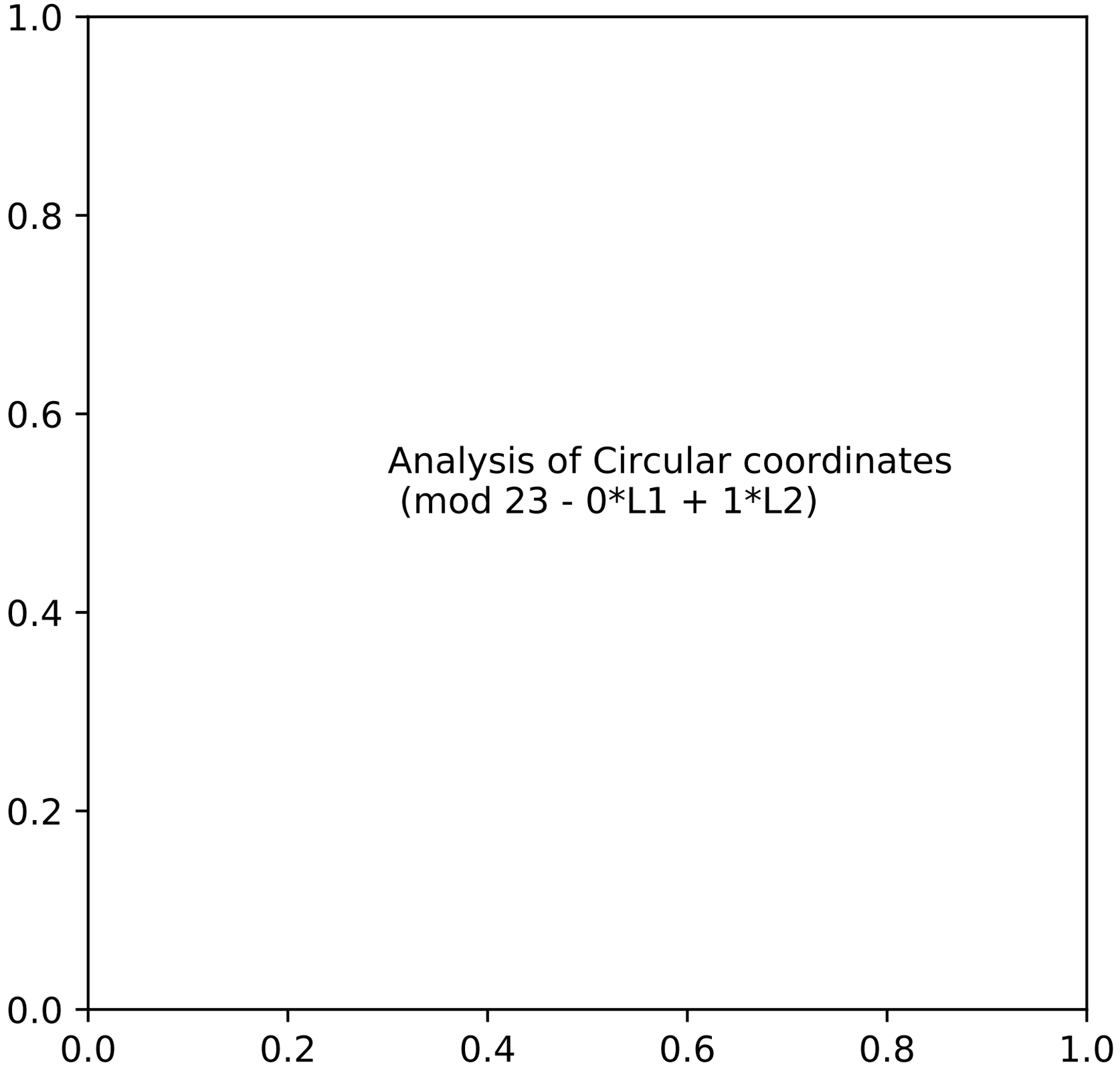

Circular coordinates/constant edges,
2-th cocyle (mod 23 - 0.5*L1 + 0.5*L2)
4
2
0
−2
−4
−4
−2
0
2
4
1.0
0.8
0.6
0.4
0.2
0.0

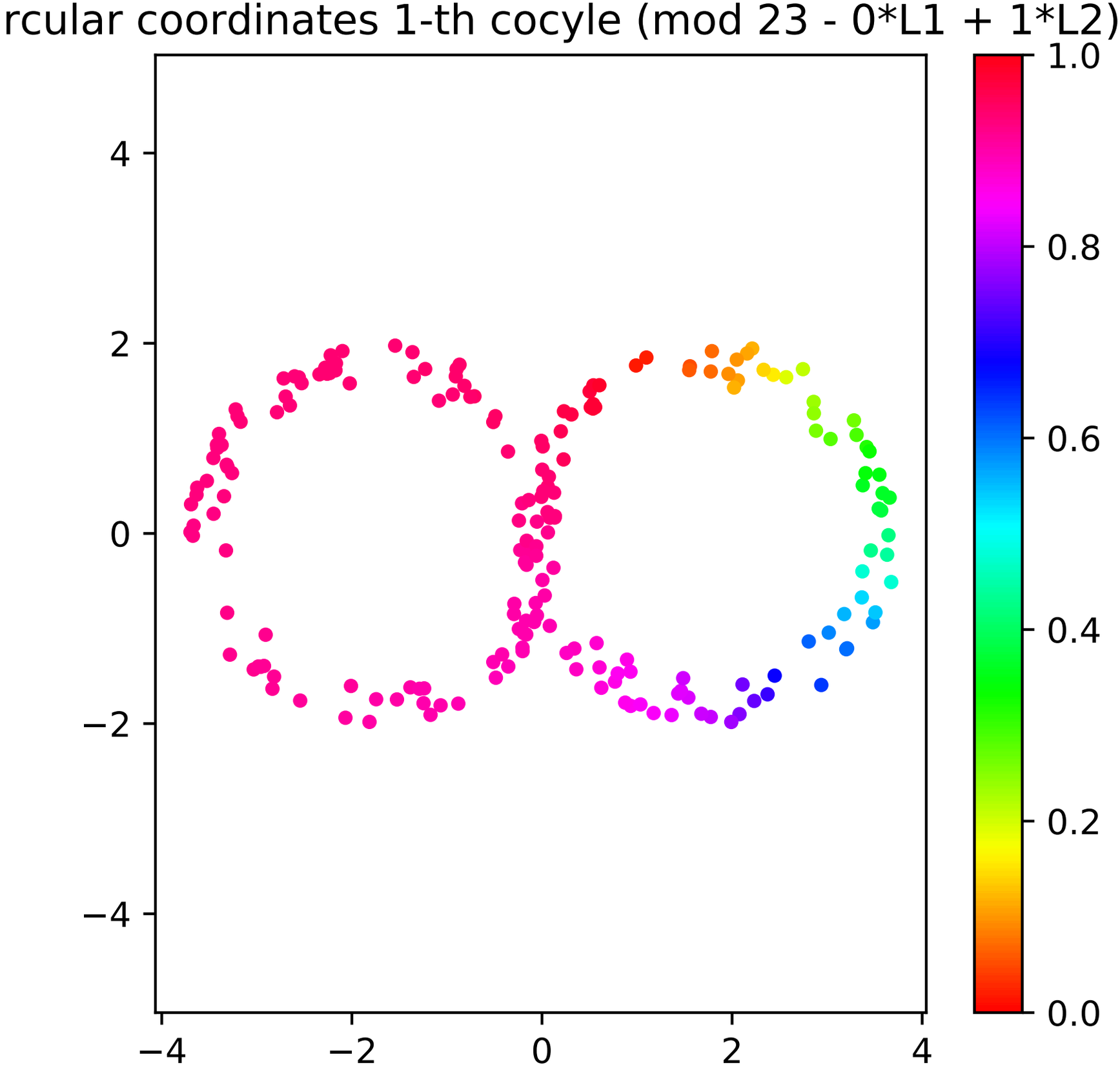

Correlation plot against angle,
2-th cocyle (mod 23 - 0.5*L1 + 0.5*L2)
1.0
0.8
0.6
0.4
0.2
0.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5

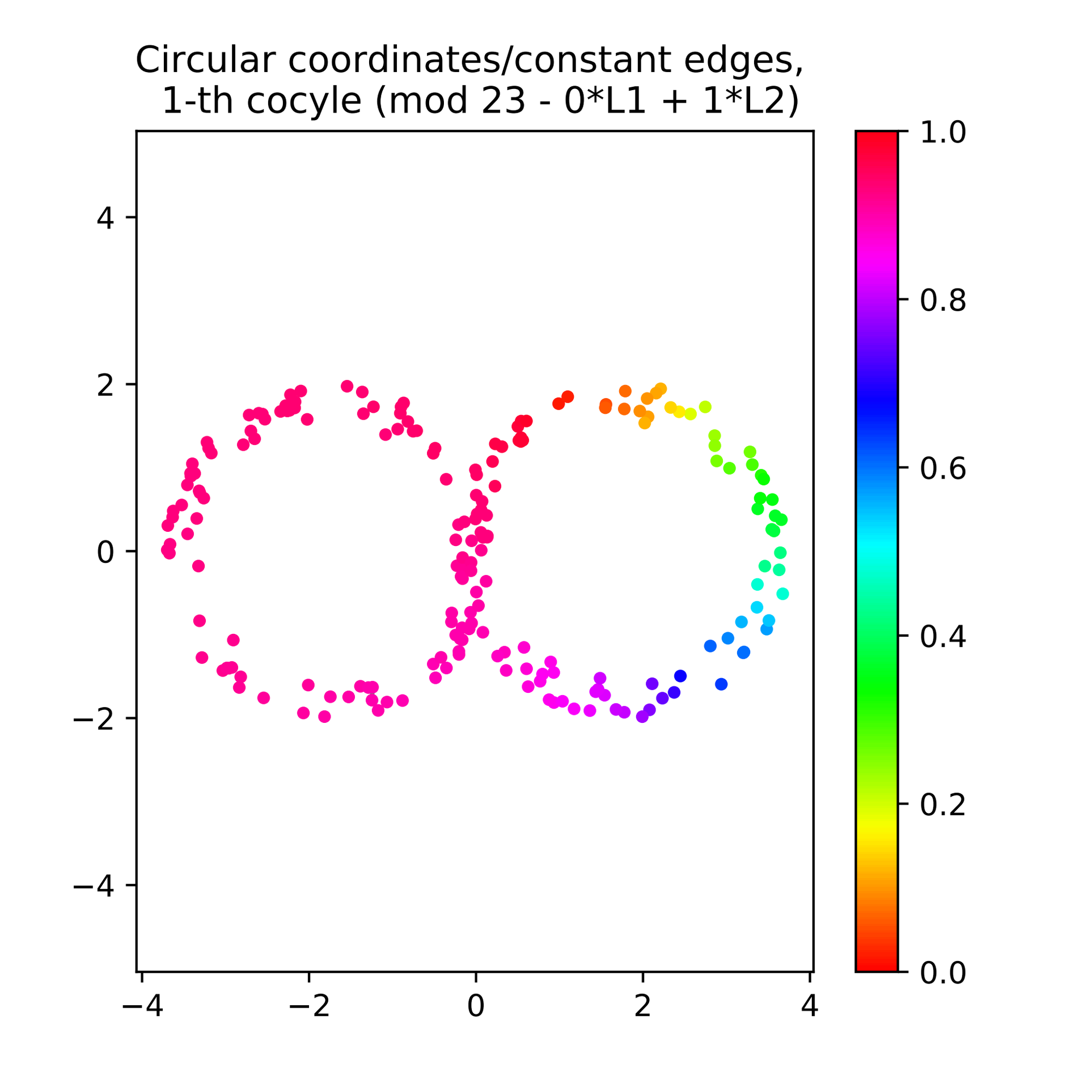

Correlation plot aginst distance,
2-th cocyle (mod 23 - 0.5*L1 + 0.5*L2)
1.0
0.8
0.6
0.4
0.2
0.0
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0

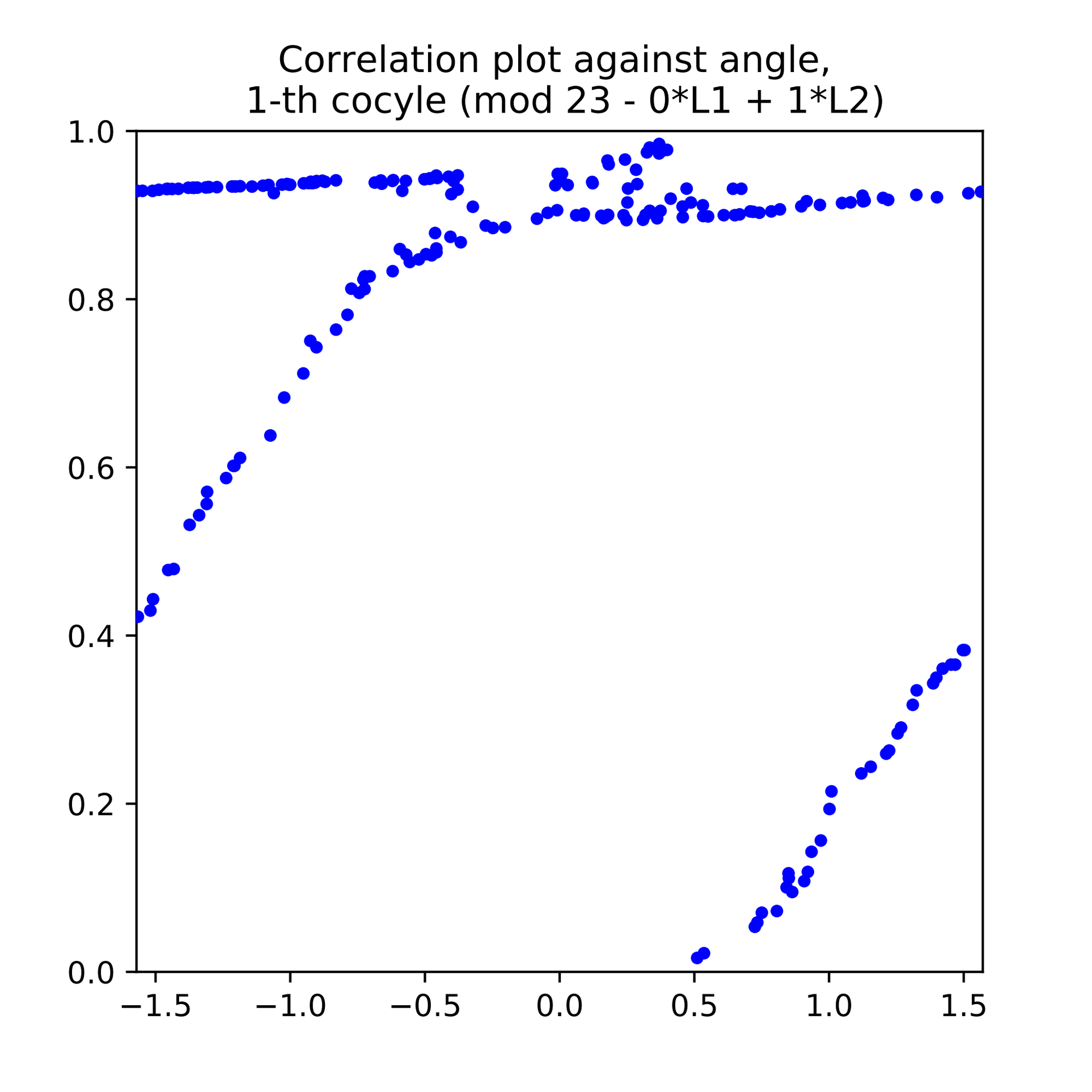

Correlation plot
(mod 23 - 0.5*L1 + 0.5*L2)
1.0
0.8
0.6
0.4
0.2
0.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5

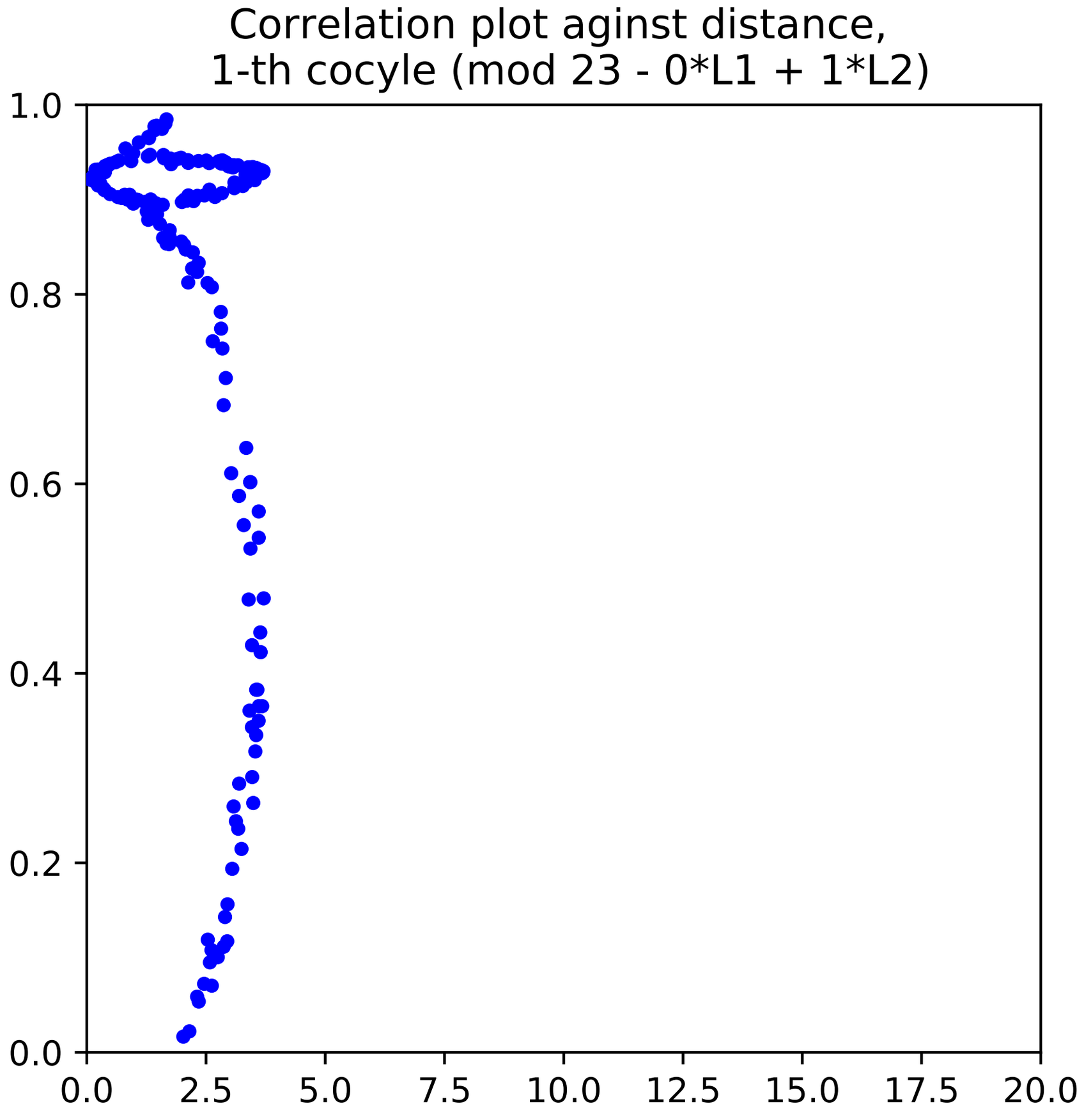

Correlation plot aginst distance,
2-th cocyle (mod 23 - 0.5*L1 + 0.5*L2)
1.0
0.8
0.6
0.4
0.2
0.0
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0

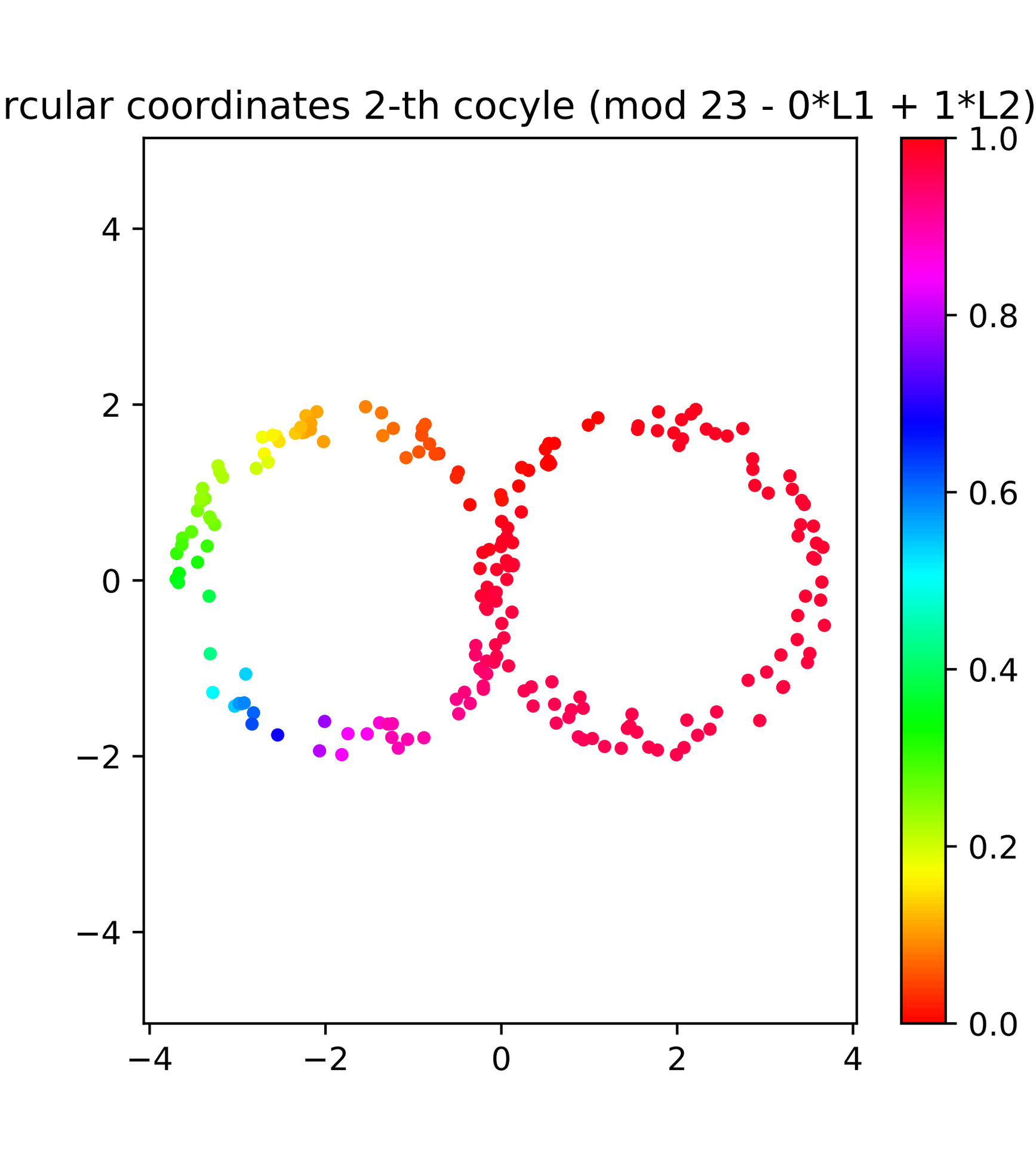

Analysis of Circular coordinates
(mod 23 - 0*L1 + 1*L2)
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

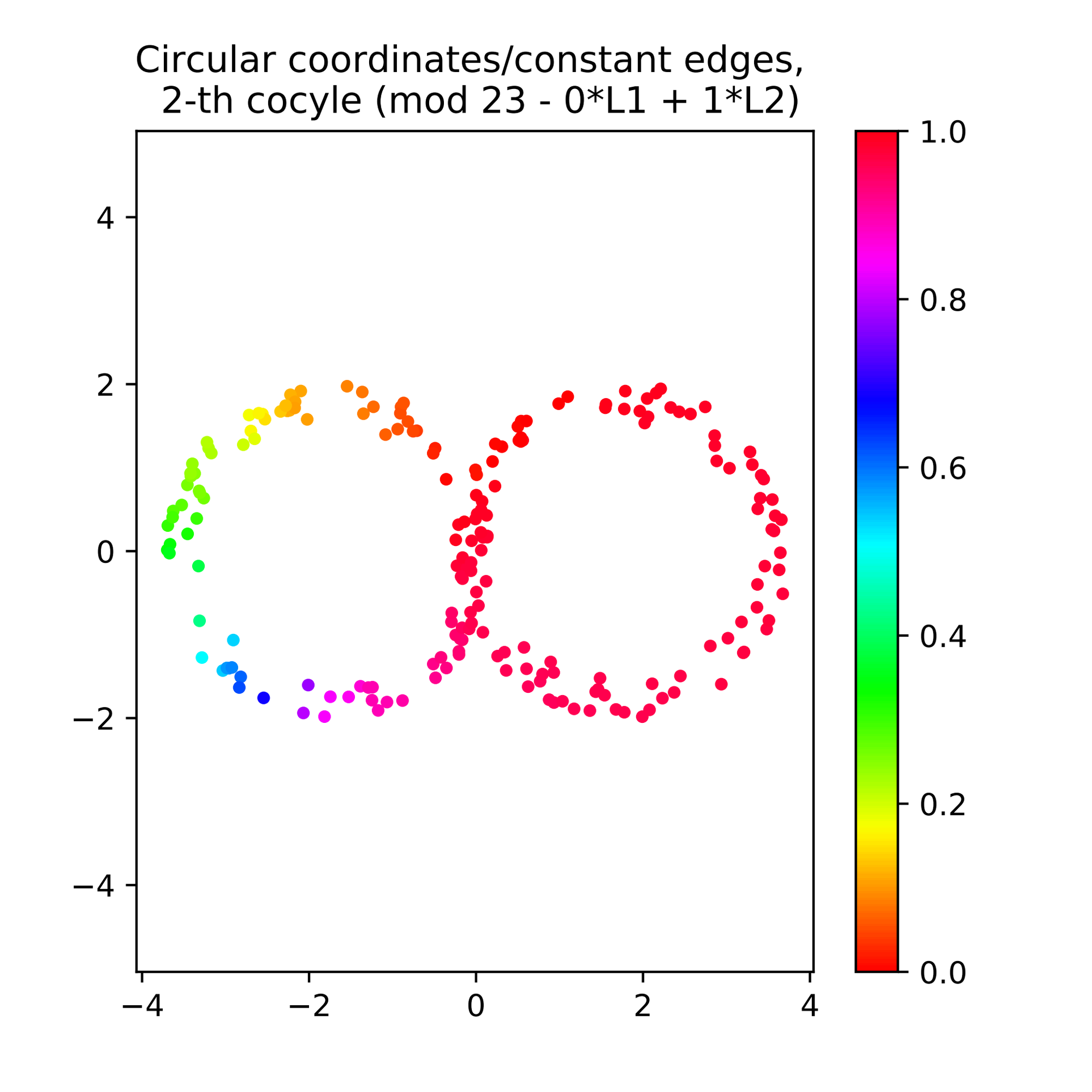

rcular coordinates 1-th cocyle (mod 23 - 0*L1 + 1*L2)
4
2
0
−2
−4
−4
−2
0
2
4
1.0
0.8
0.6
0.4
0.2
0.0

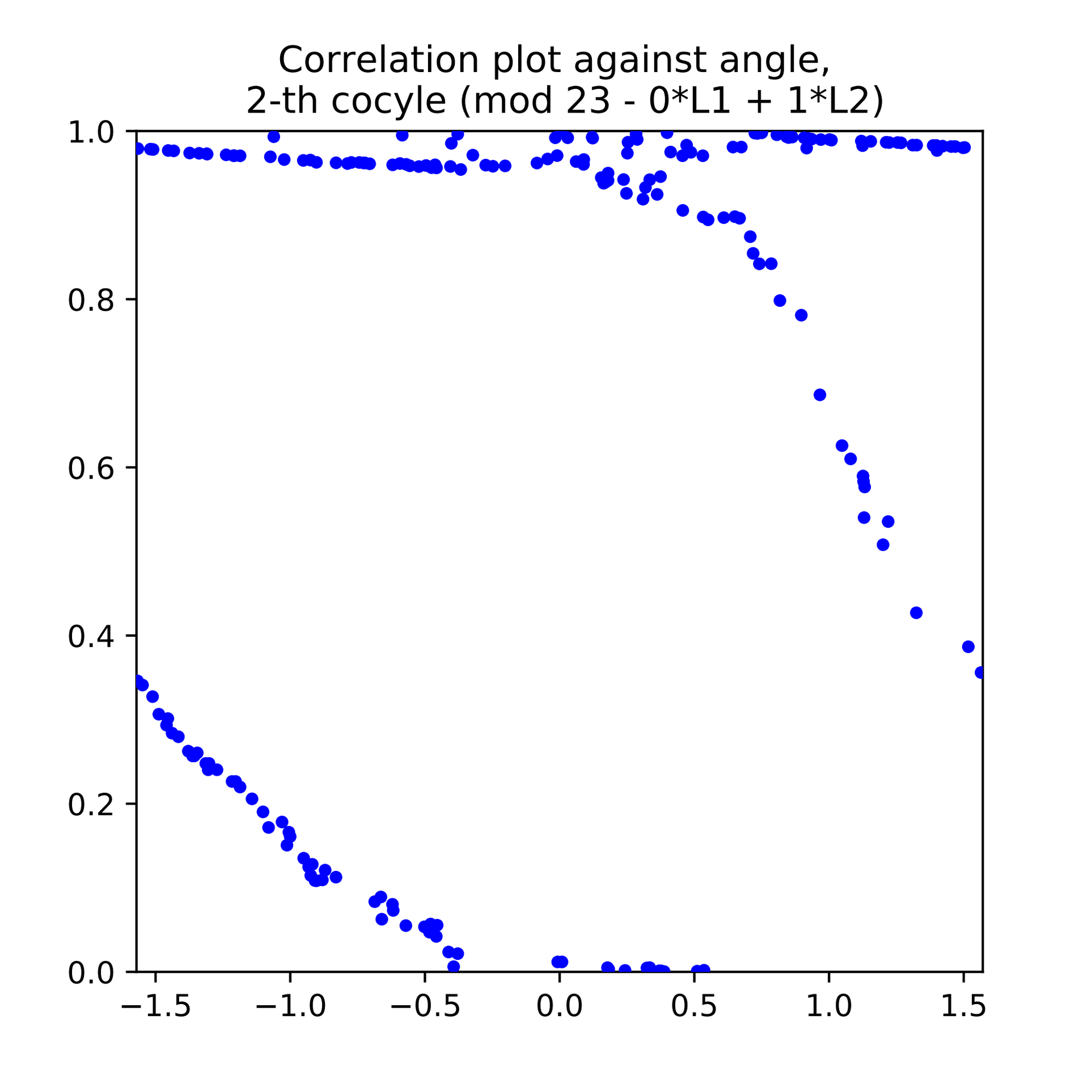

Circular coordinates/constant edges,
1-th cocyle (mod 23 - 0*L1 + 1*L2)
4
2
0
−2
−4
−4
−2
0
2
4
1.0
0.8
0.6
0.4
0.2
0.0

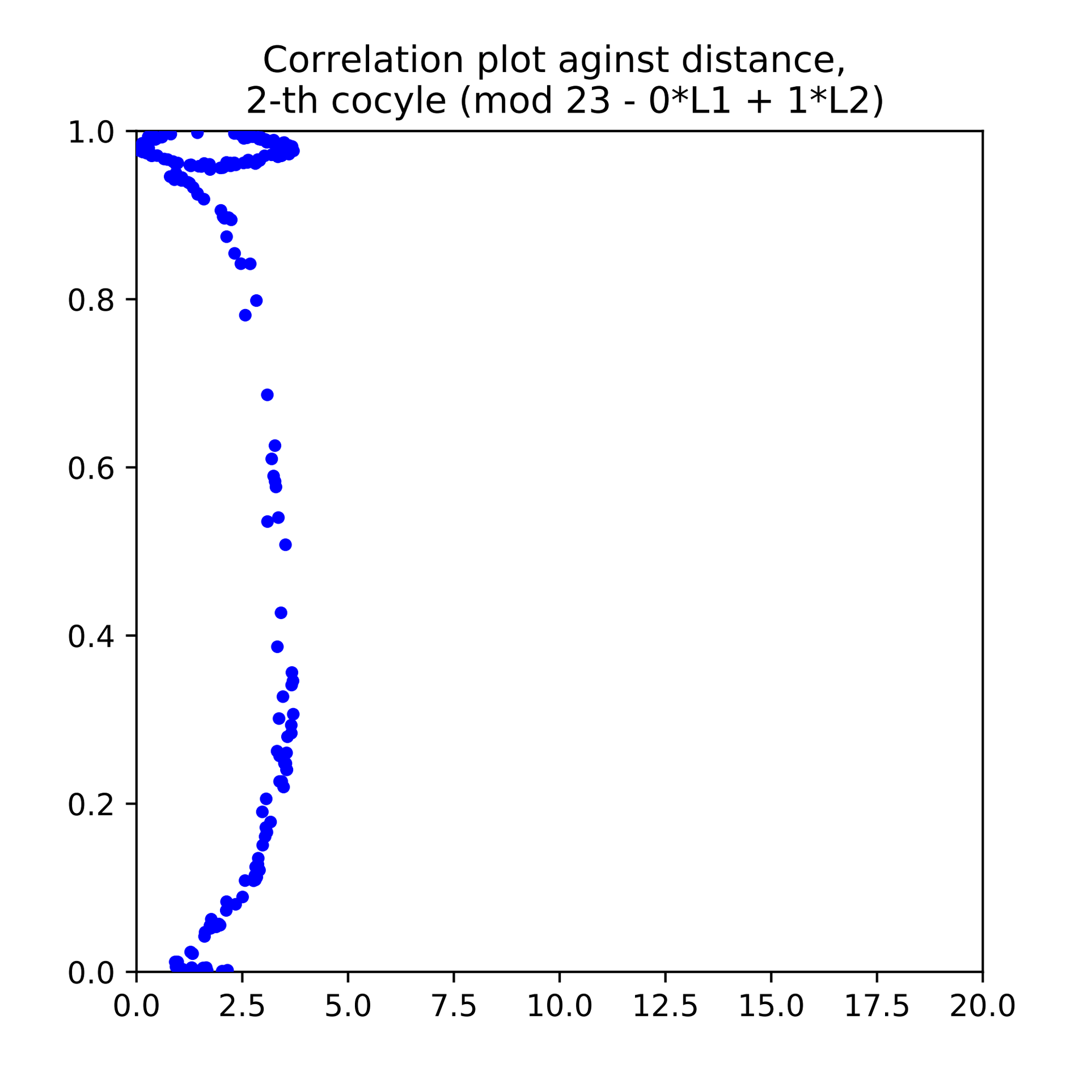

Correlation plot against angle,
1-th cocyle (mod 23 - 0*L1 + 1*L2)
1.0
0.8
0.6
0.4
0.2
0.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5

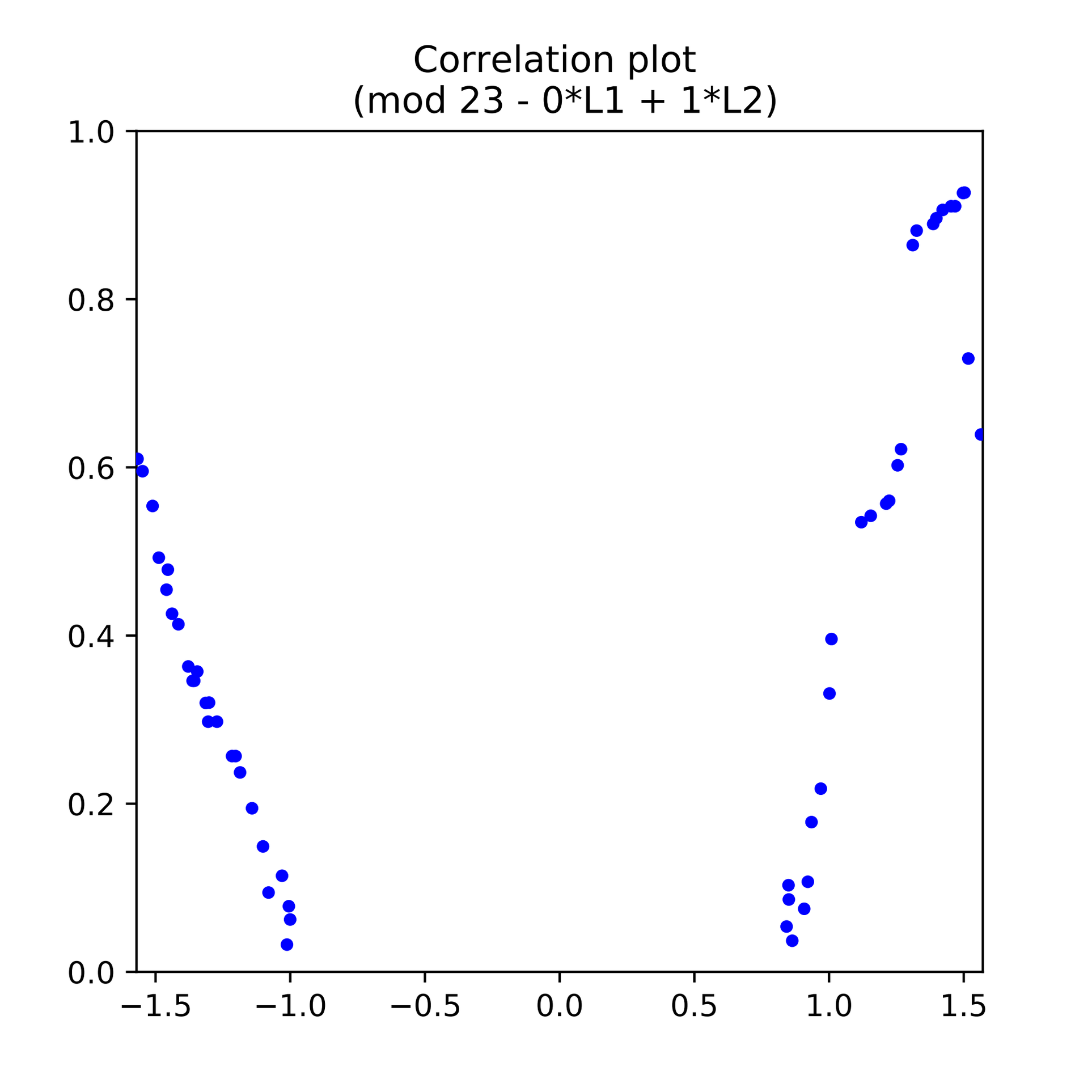

Correlation plot aginst distance,
1-th cocyle (mod 23 - 0*L1 + 1*L2)
1.0
0.8
0.6
0.4
0.2
0.0
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0

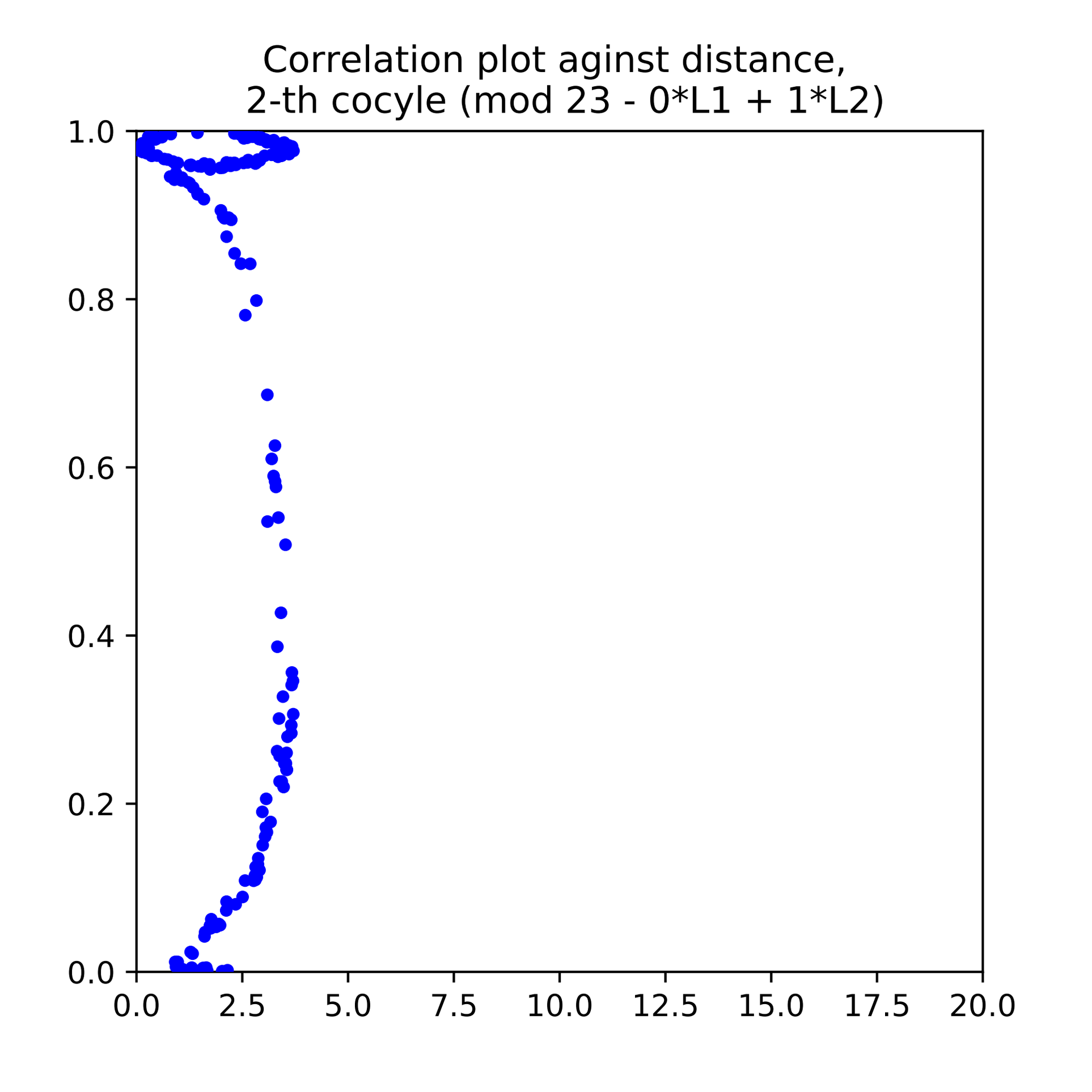

rcular coordinates 2-th cocyle (mod 23 - 0*L1 + 1*L2)
4
2
0
−2
−4
−4
−2
0
2
4
1.0
0.8
0.6
0.4
0.2
0.0


Circular coordinates/constant edges,
2-th cocyle (mod 23 - 0*L1 + 1*L2)
4
2
0
−2
−4
−4
−2
0
2
4
1.0
0.8
0.6
0.4
0.2
0.0


Correlation plot against angle,
2-th cocyle (mod 23 - 0*L1 + 1*L2)
1.0
0.8
0.6
0.4
0.2
0.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5


Correlation plot aginst distance,
2-th cocyle (mod 23 - 0*L1 + 1*L2)
1.0
0.8
0.6
0.4
0.2
0.0
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0


Correlation plot
(mod 23 - 0*L1 + 1*L2)
1.0
0.8
0.6
0.4
0.2
0.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5


Correlation plot aginst distance,
2-th cocyle (mod 23 - 0*L1 + 1*L2)
1.0
0.8
0.6
0.4
0.2
0.0
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
20.0