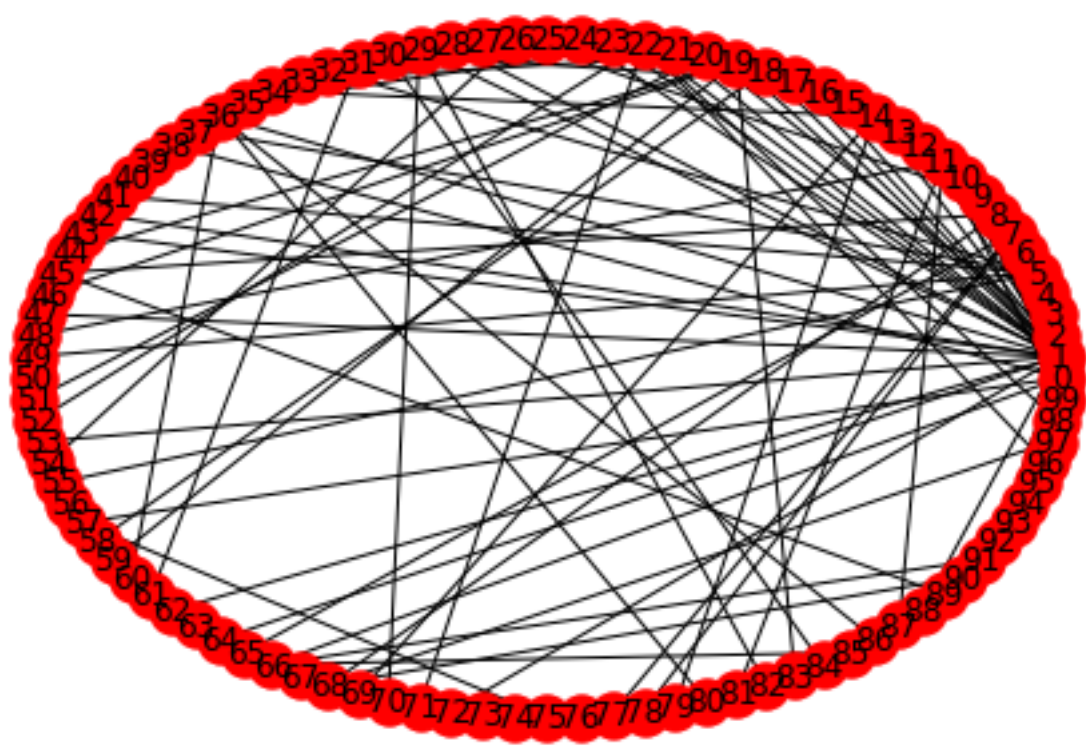


# Spectral decompostion of Powerlaw Cluster graph

Randomly generated graph



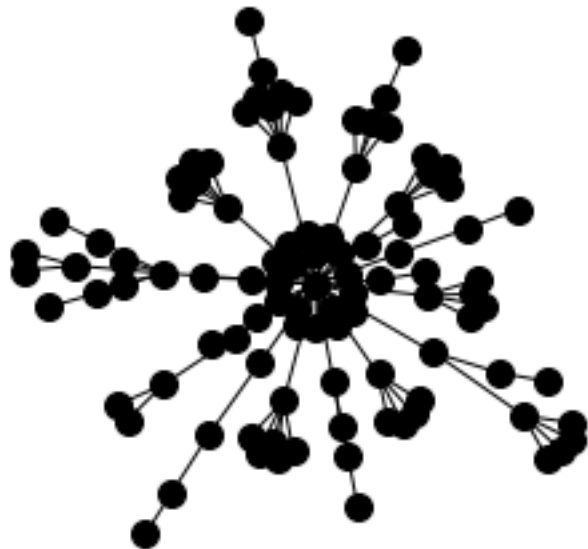
Node – Degree

0	6
1	34
2	2
3	1
4	1
5	6
6	1
7	5
8	3
9	2
10	1
11	5
12	1
13	1
14	5
15	1
16	1

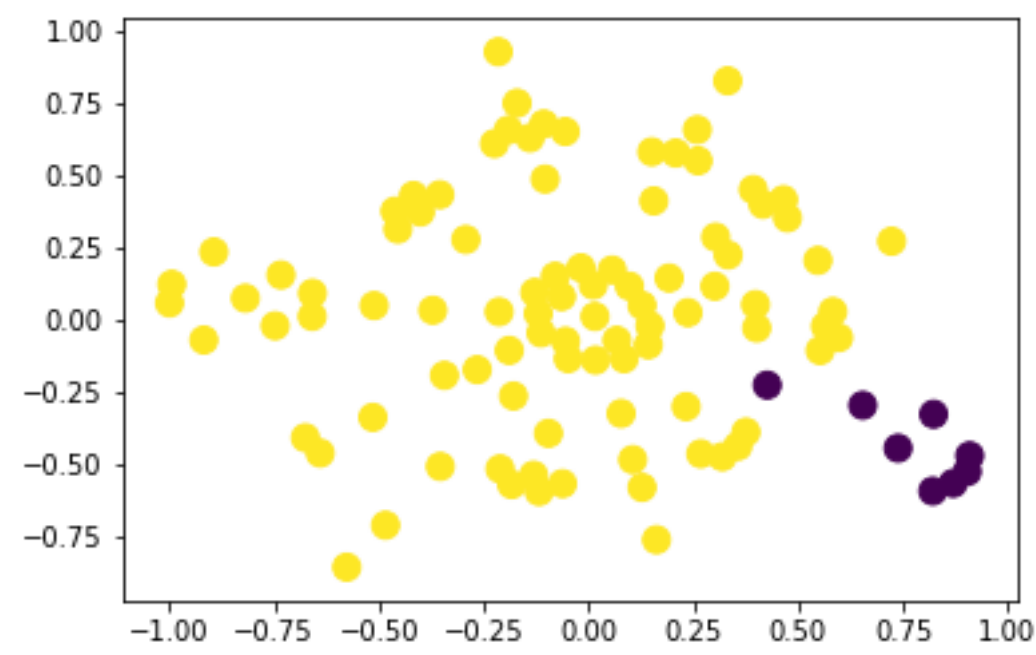
17	2
18	2
19	6
20	3
21	1
22	7
23	1
24	2
25	1
26	2
27	1
28	1
29	3
30	2
31	2
32	1
33	1
34	1
35	1
36	5
37	1
38	2
39	1
40	1
41	1
42	1
43	2
44	1
45	2
46	1
47	1
48	1
49	1
50	1
51	1
52	1
53	1
54	2
55	1
56	1
57	2
58	1
59	1
60	2
61	1
62	1
63	1
64	2

65 1  
66 3  
67 1  
68 5  
69 1  
70 2  
71 1  
72 1  
73 1  
74 1  
75 1  
76 1  
77 1  
78 1  
79 1  
80 1  
81 1  
82 1  
83 1  
84 1  
85 1  
86 1  
87 1  
88 1  
89 1  
90 1  
91 1  
92 1  
93 1  
94 1  
95 1  
96 1  
97 1  
98 1  
99 1

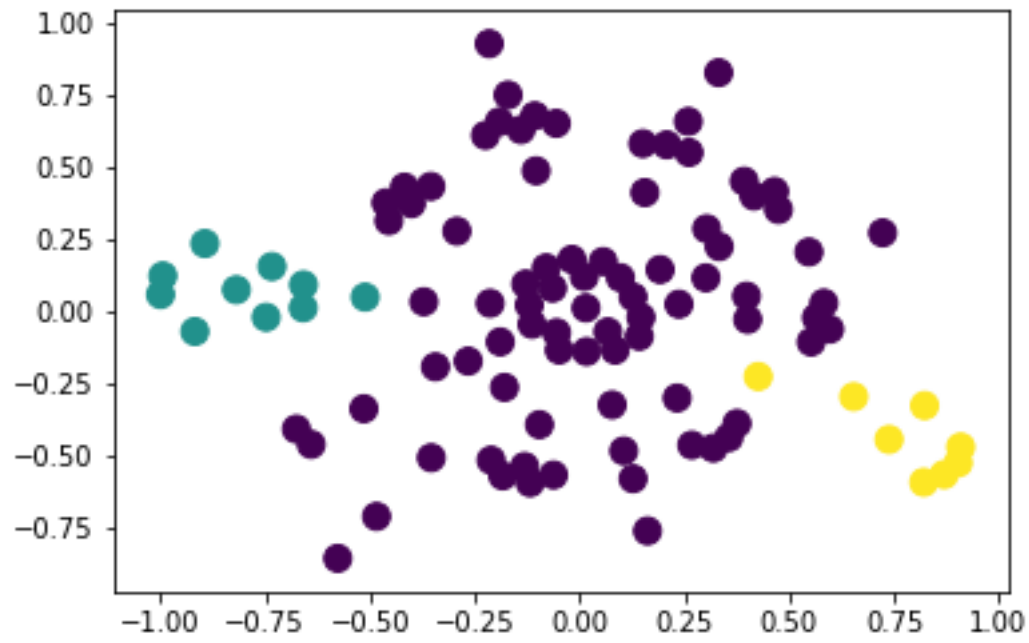
**Spring Layout**



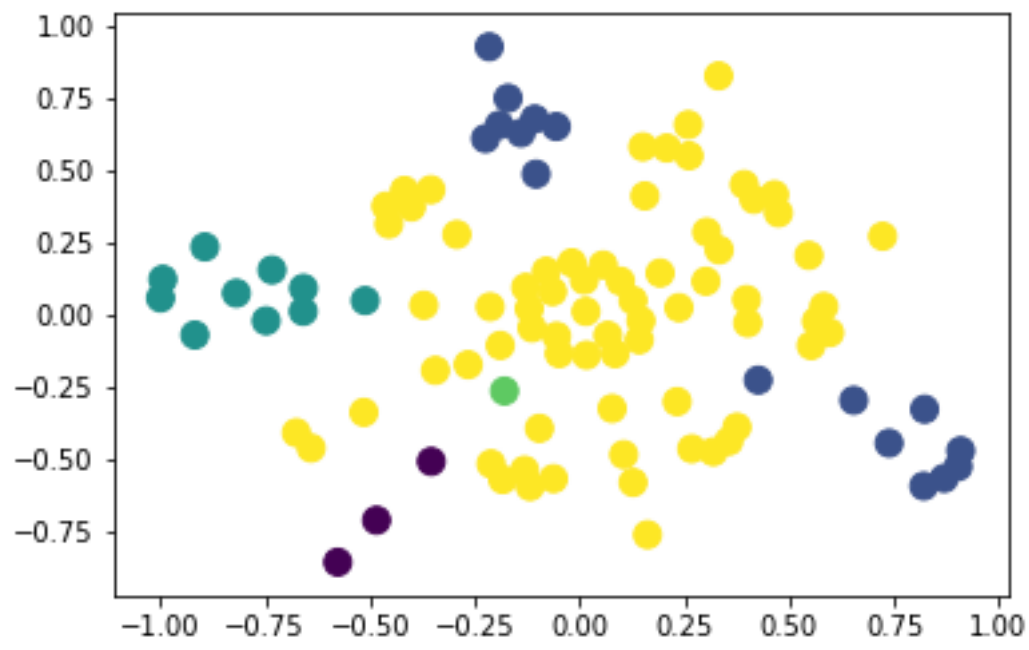
**Two Cluster view**



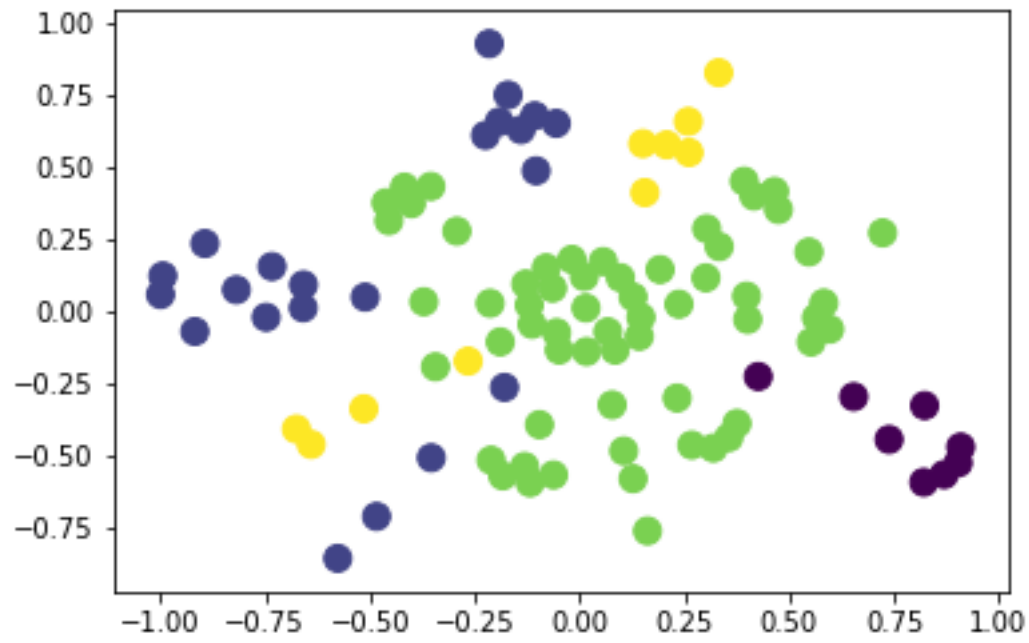
**Three Cluster view**



## Five Cluster View



## Seven Cluster View



# Nine Cluster View

