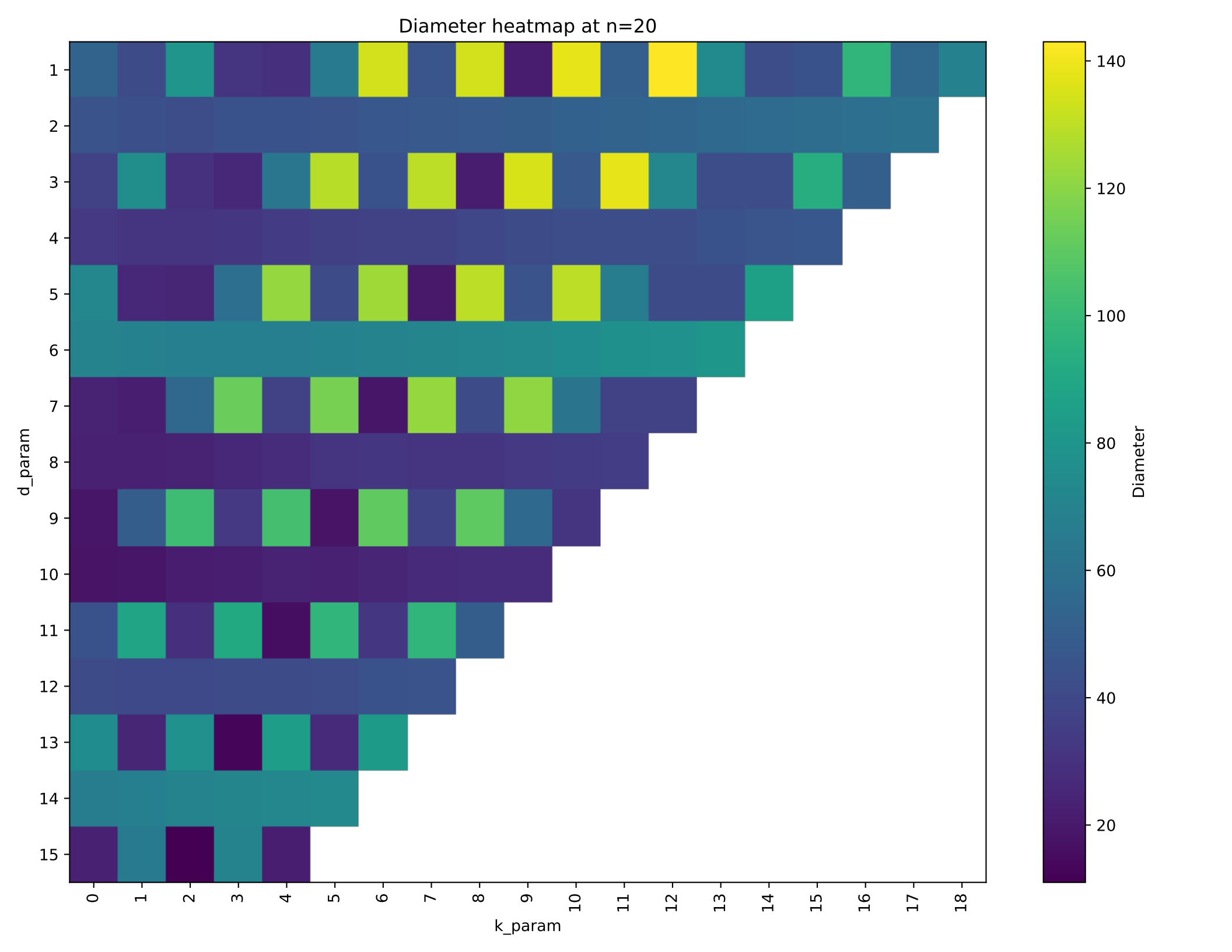
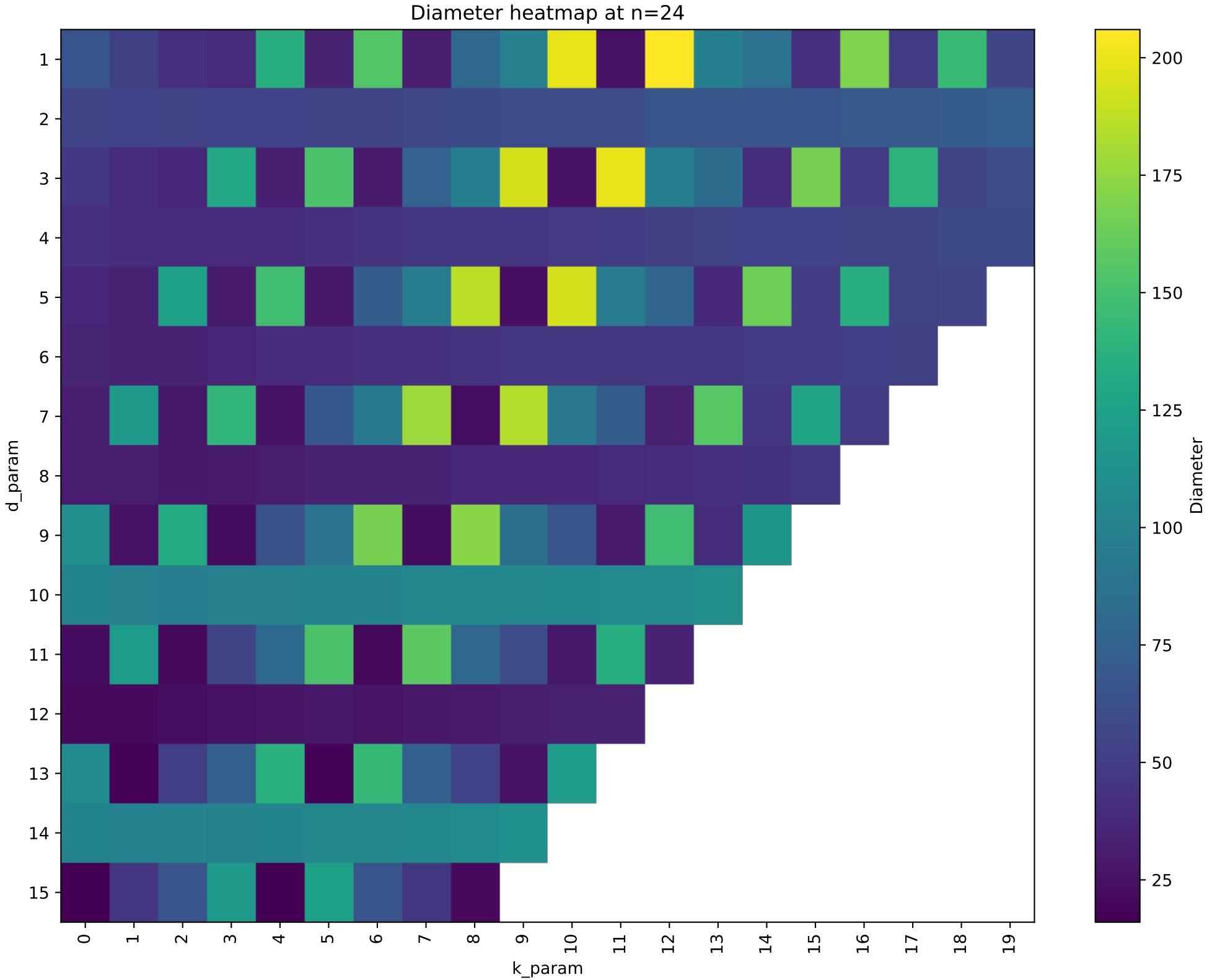
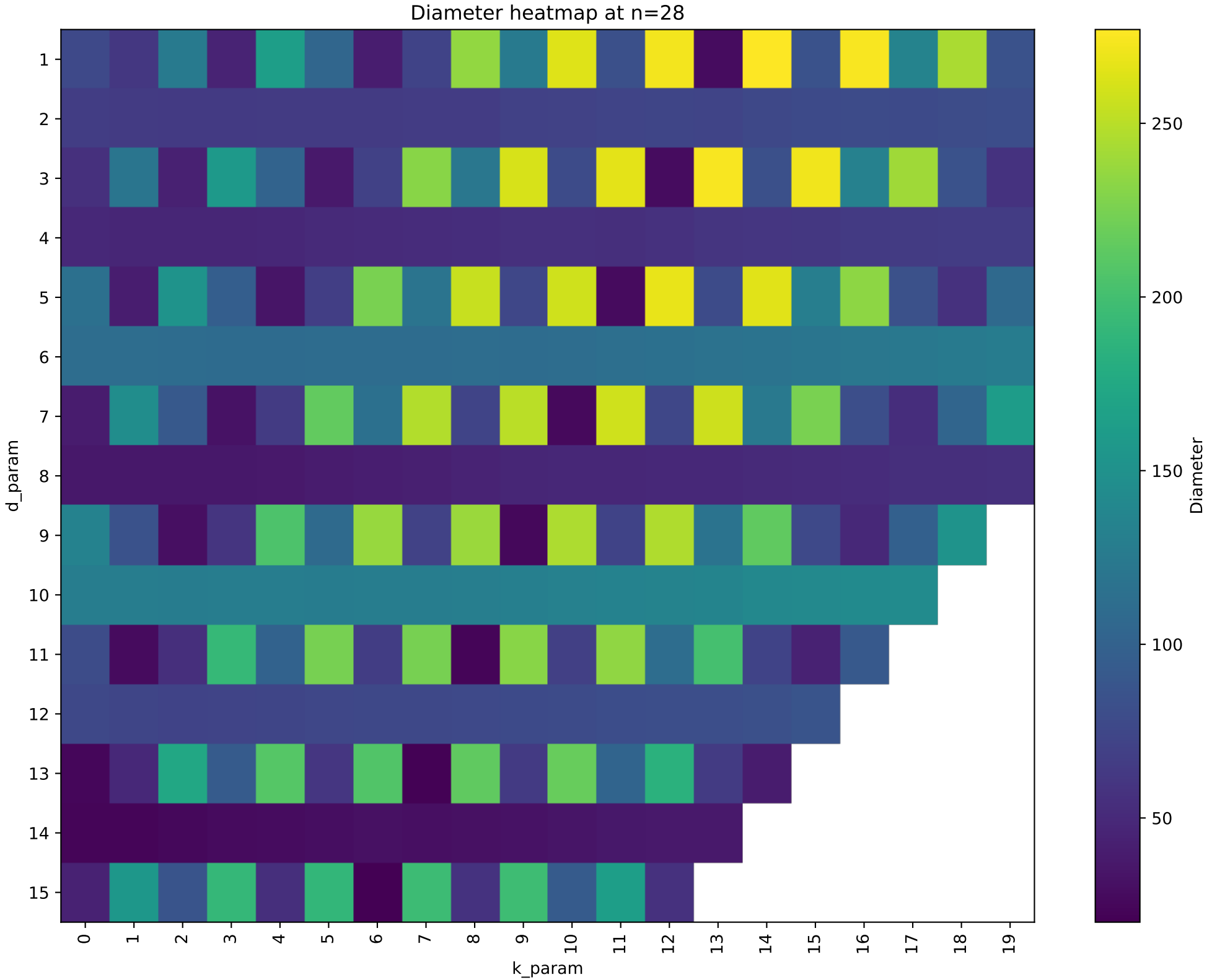
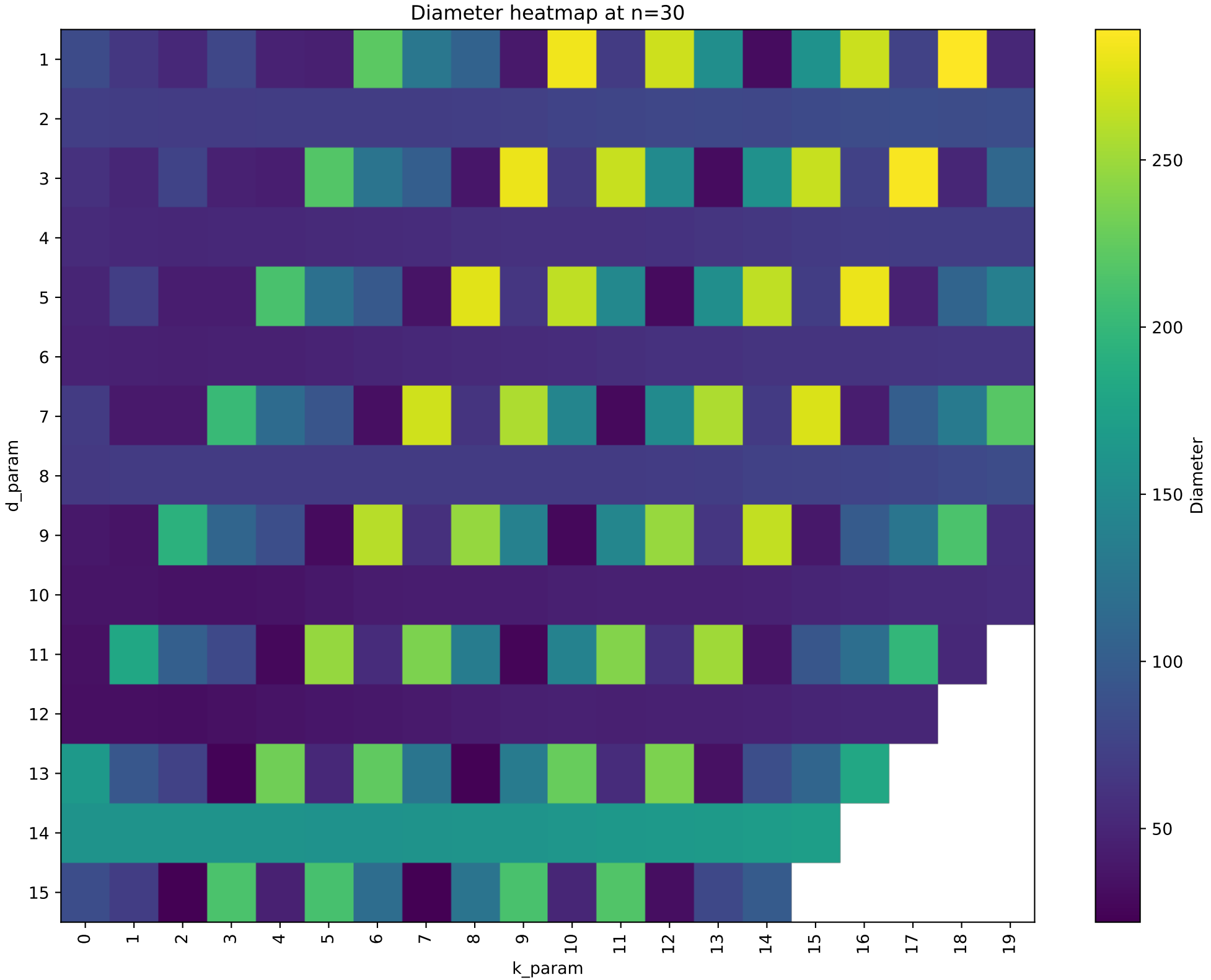
Koltsov3 diameter report (from aggregated CSV)

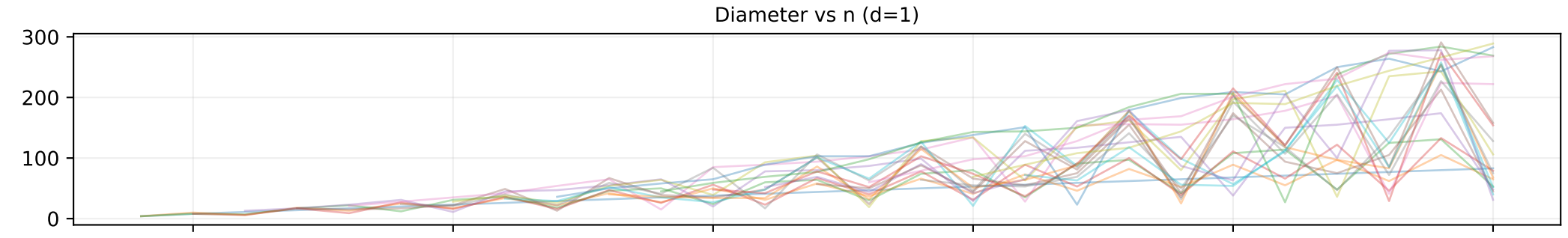
CSV: results/koltsov3_4different_perm1_results.csv
Parameter sets (rows): 285
Data points (n,diameter): 3766
Unique k: 20
Unique d: 15
Coset(s): 4Different
perm_type(s): 1
Heatmap snapshots at n: [20, 24, 28, 30]

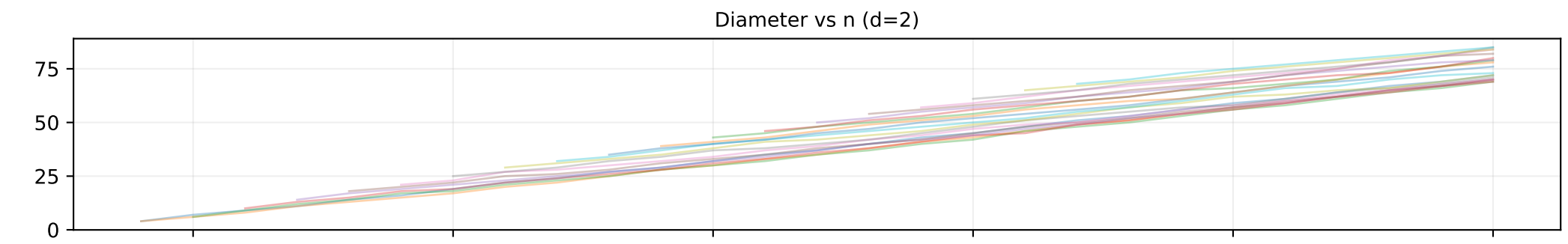

Diameter heatmap at n=20
d_param
k_param
Diameter
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
140
120
100
80
60
40
20

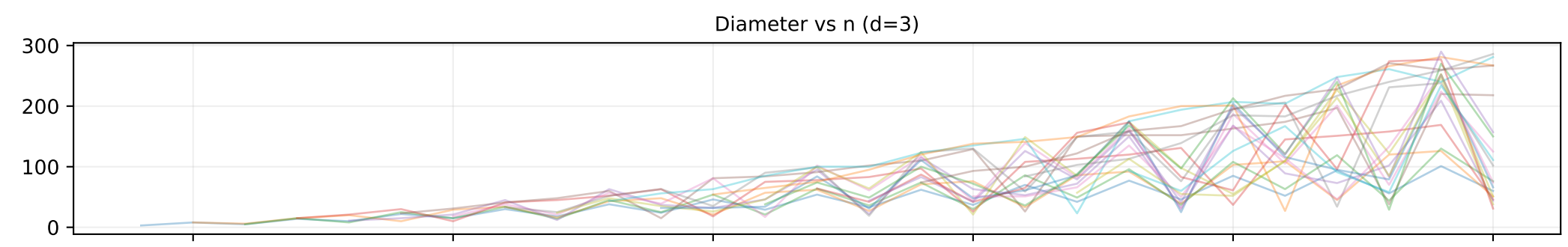

Diameter heatmap at n=24
d_param
k_param
Diameter
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
200
175
150
125
100
75
50
25

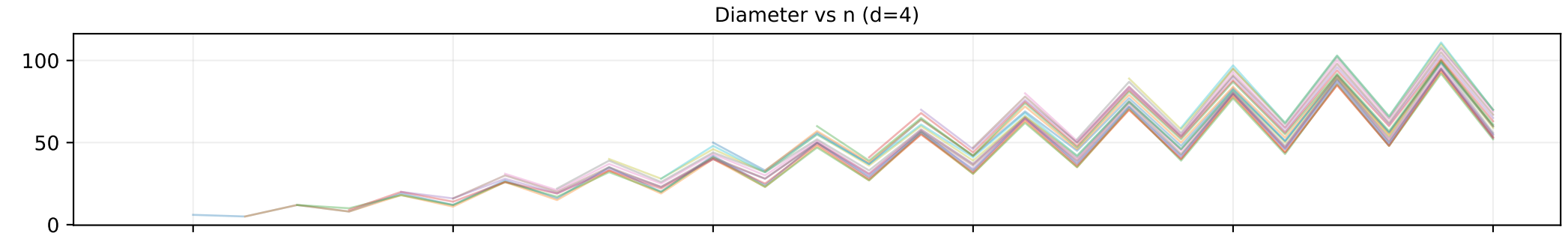

Diameter heatmap at n=28
d_param
k_param
Diameter
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
250
200
150
100
50

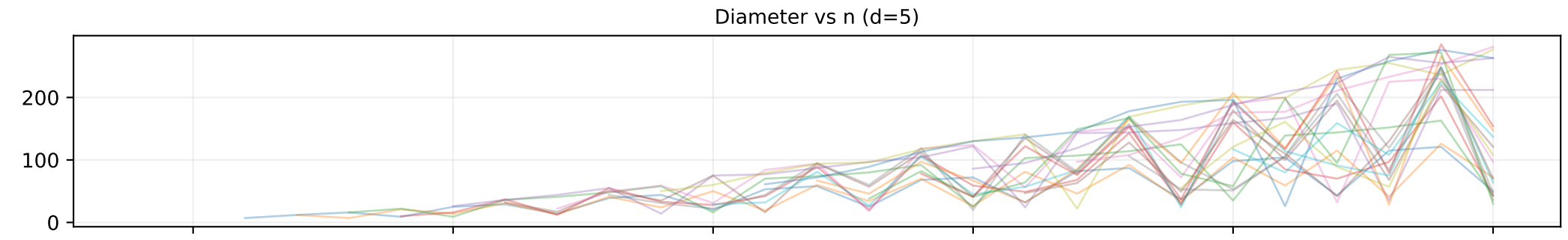

Diameter heatmap at n=30
d_param
k_param
Diameter
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
250
200
150
100
50

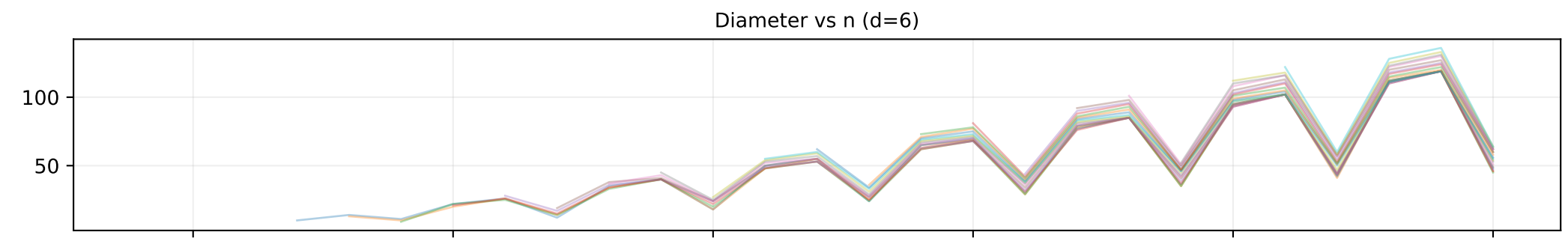

Diameter vs n (d=1)
300
200
100
0

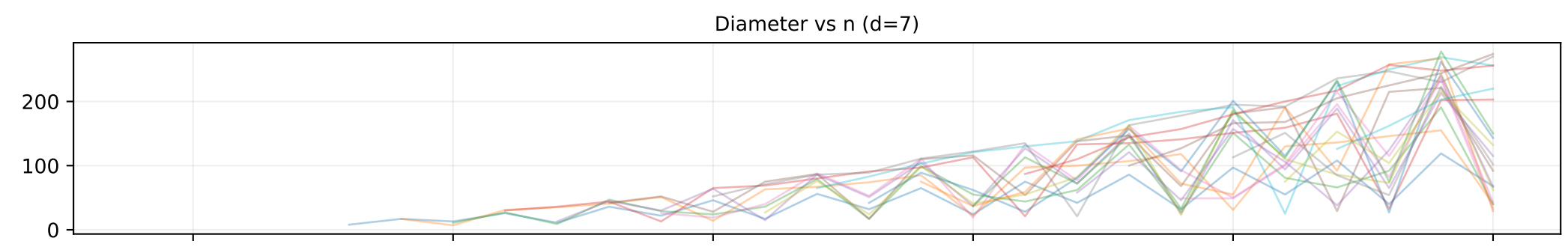

Diameter vs n (d=2)
75
50
25
0

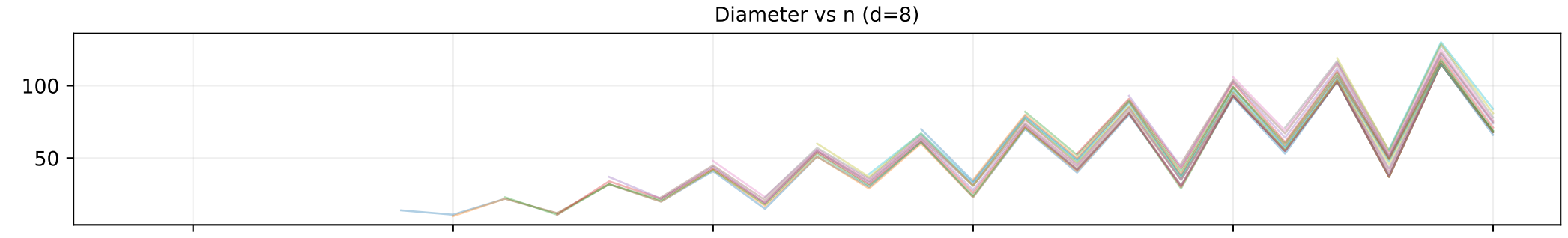

Diameter vs n (d=3)
300
200
100
0

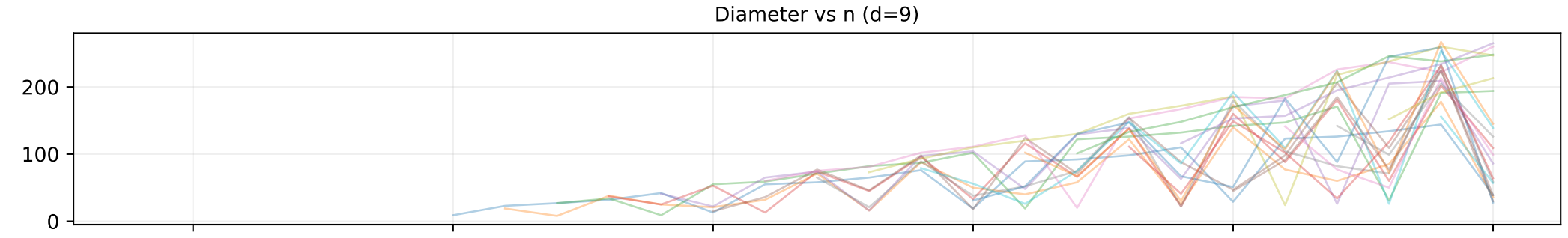

Diameter vs n (d=4)
100
50
0

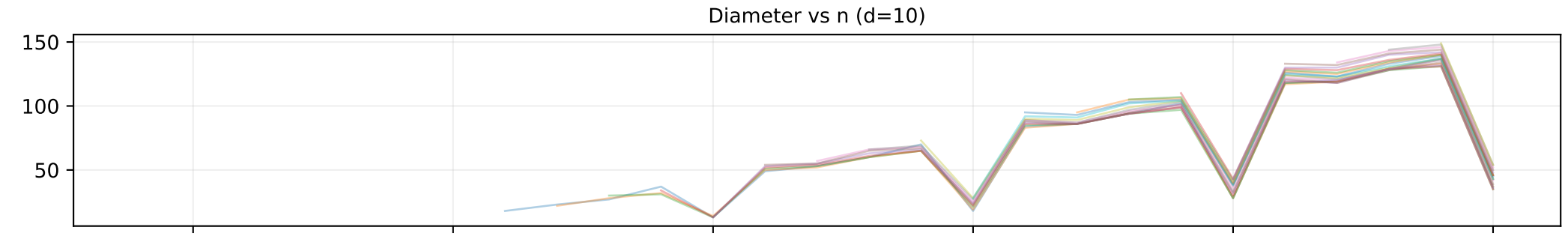

Diameter vs n (d=5)
200
100
0

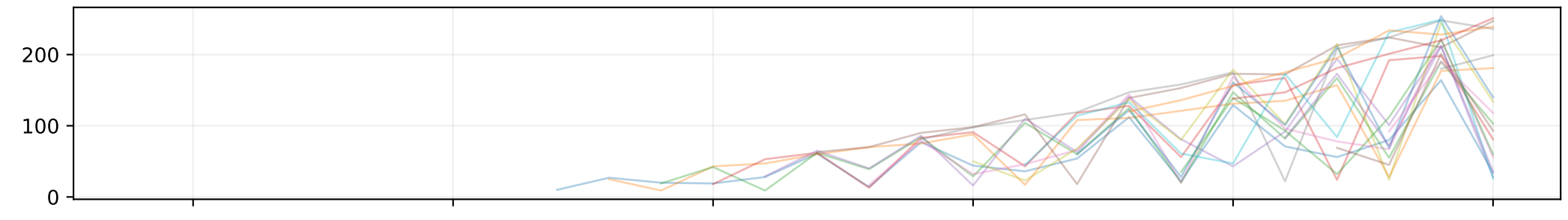

Diameter vs n (d=6)
100
50

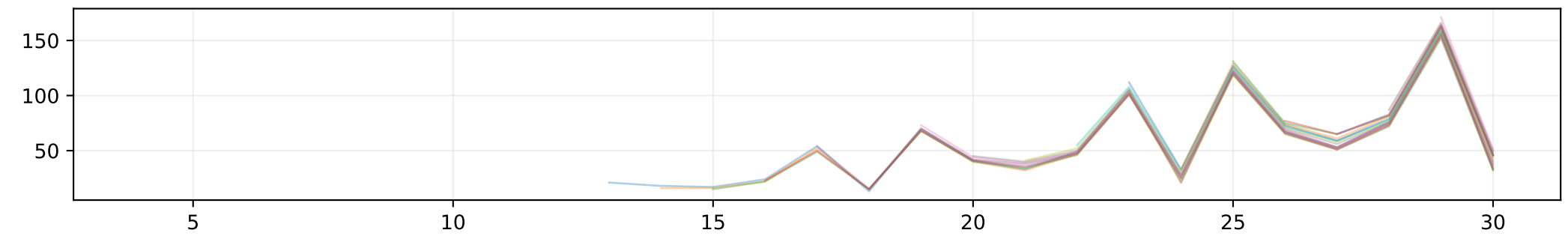

Diameter vs n (d=7)
200
100
0


Diameter vs n (d=8)
100
50

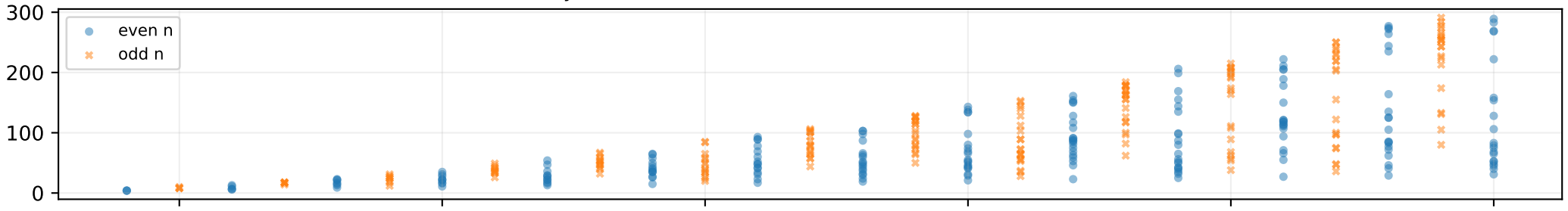

Diameter vs n (d=9)
200
100
0


Diameter vs n (d=10)
150
100
50

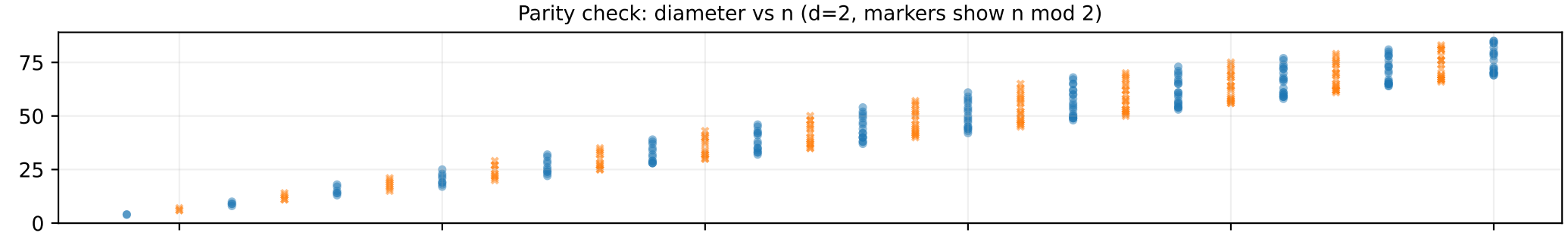

Diameter vs n (d=11)
200
100
0


Diameter vs n (d=12)
150
100
50
5
10
15
20
25
30
n

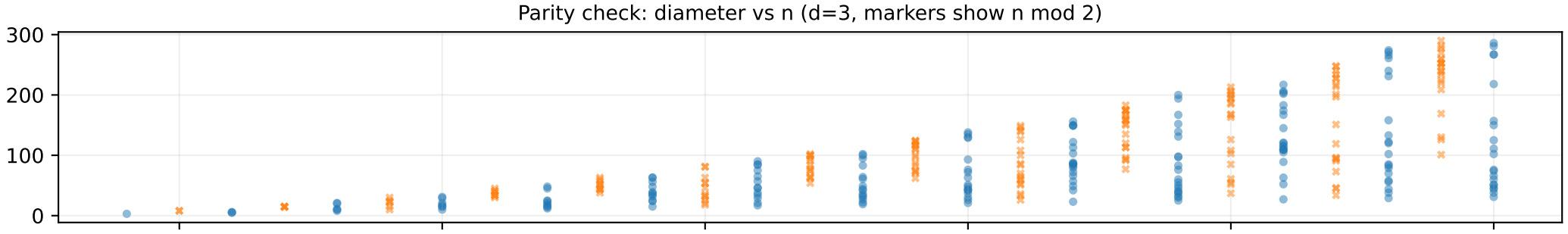
Parity check: diameter vs n (d=1, markers show n mod 2)



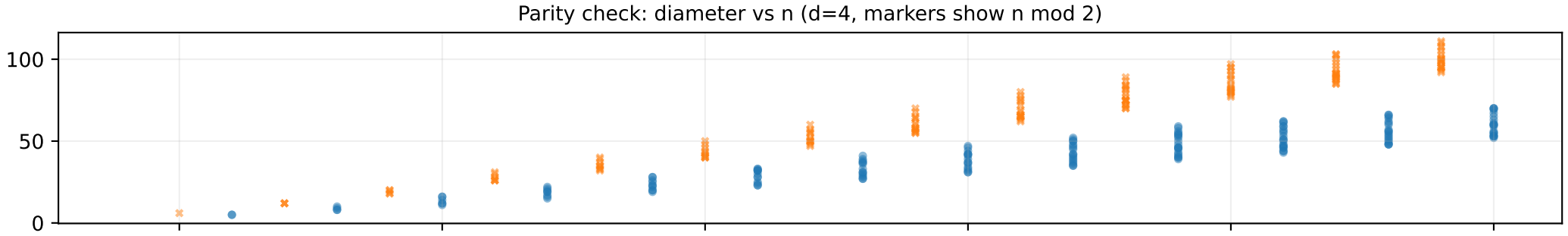
Parity check: diameter vs n (d=2, markers show n mod 2)



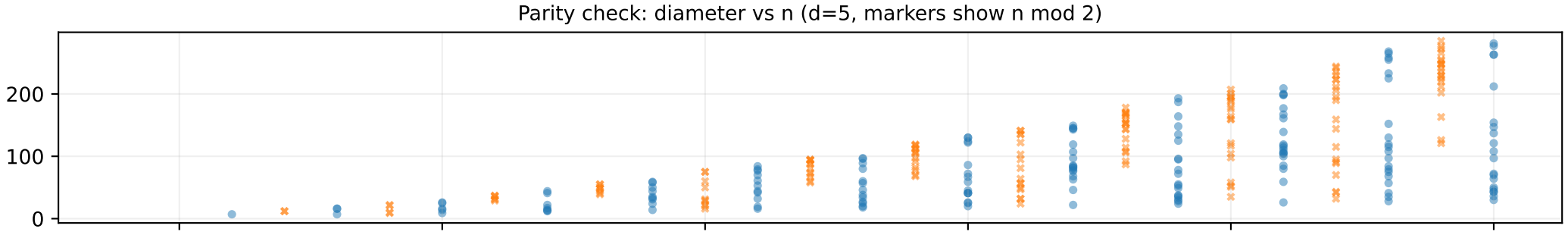
Parity check: diameter vs n (d=3, markers show n mod 2)



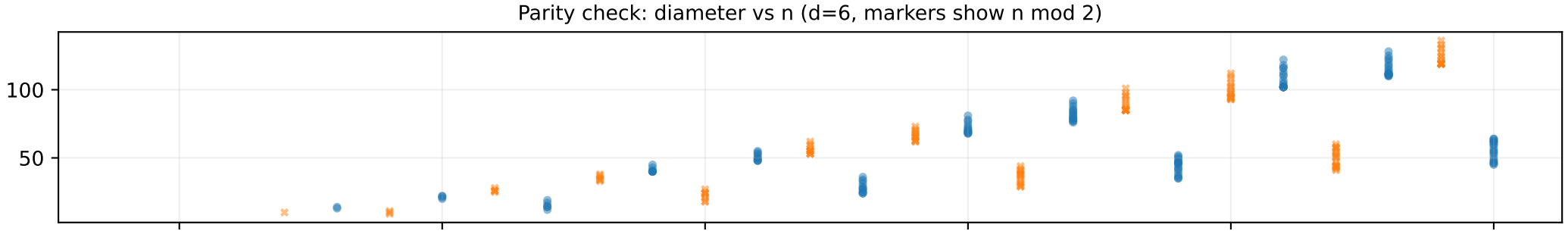
Parity check: diameter vs n (d=4, markers show n mod 2)



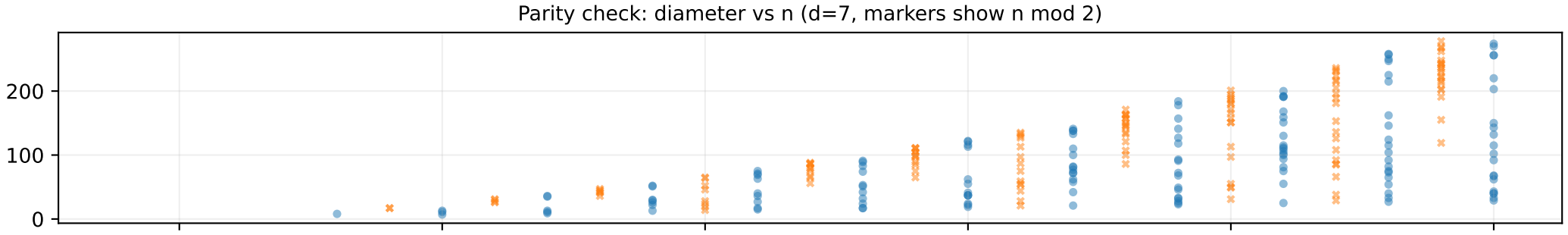
Parity check: diameter vs n (d=5, markers show n mod 2)



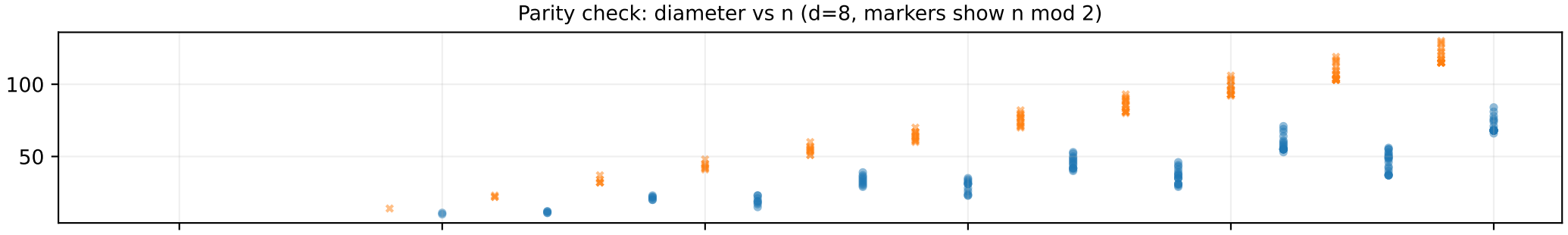
Parity check: diameter vs n (d=6, markers show n mod 2)

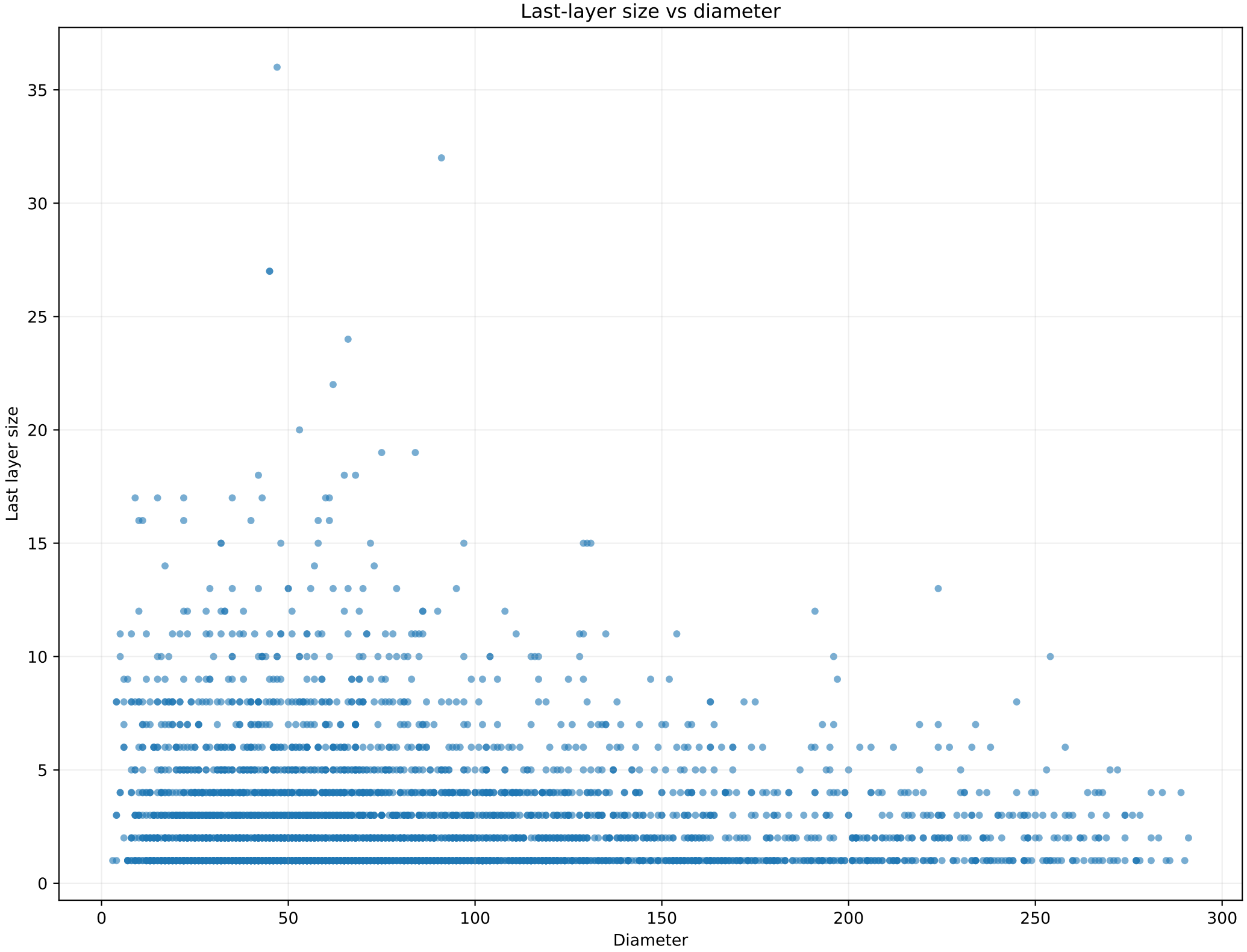


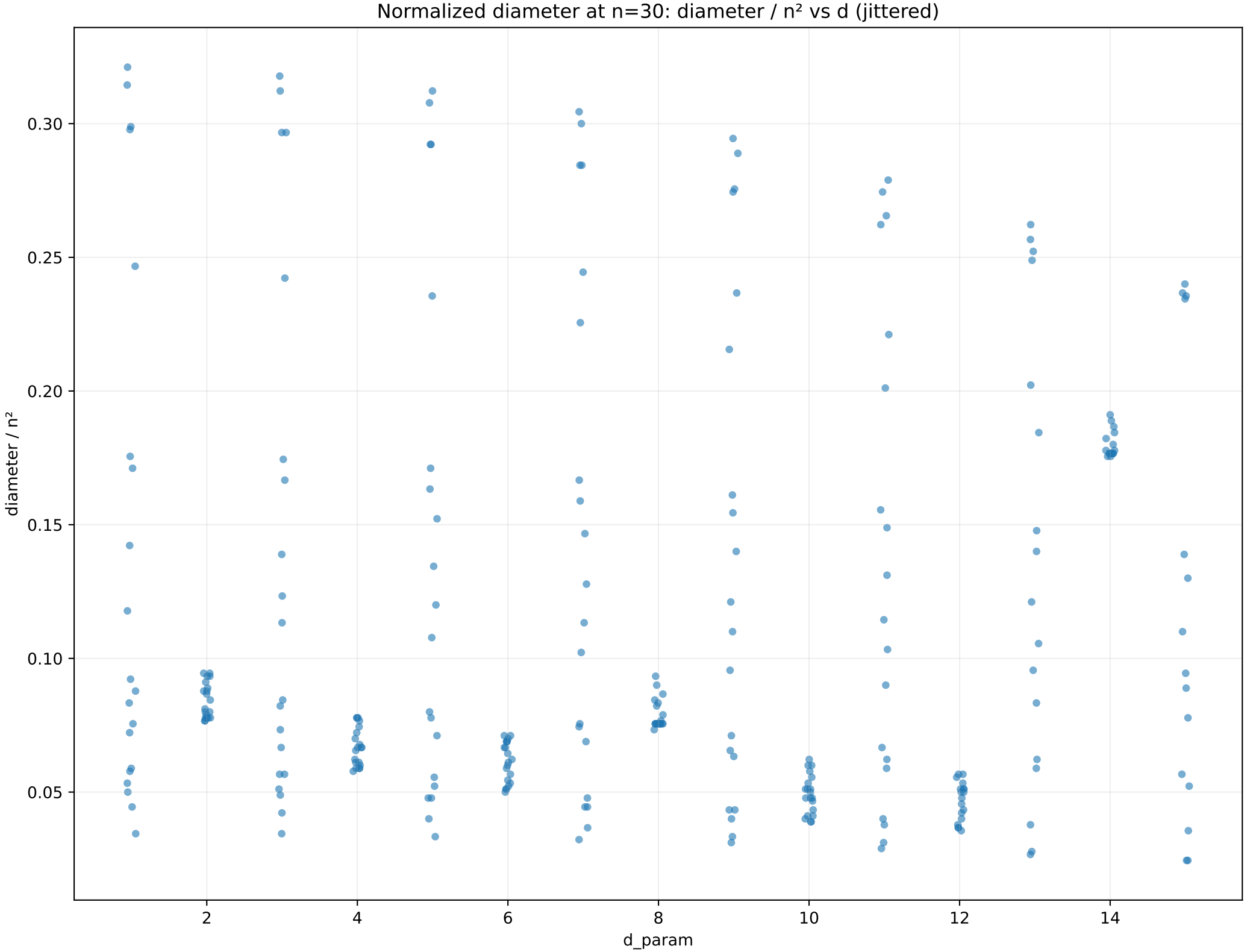
Parity check: diameter vs n (d=7, markers show n mod 2)



Parity check: diameter vs n (d=8, markers show n mod 2)




Last-layer size vs diameter
Last layer size
Diameter
0
5
10
15
20
25
30
35
0
50
100
150
200
250
300


Normalized diameter at n=30: diameter / n² vs d (jittered)
diameter / n²
0.30
0.25
0.20
0.15
0.10
0.05
2
4
6
8
10
12
14
d_param