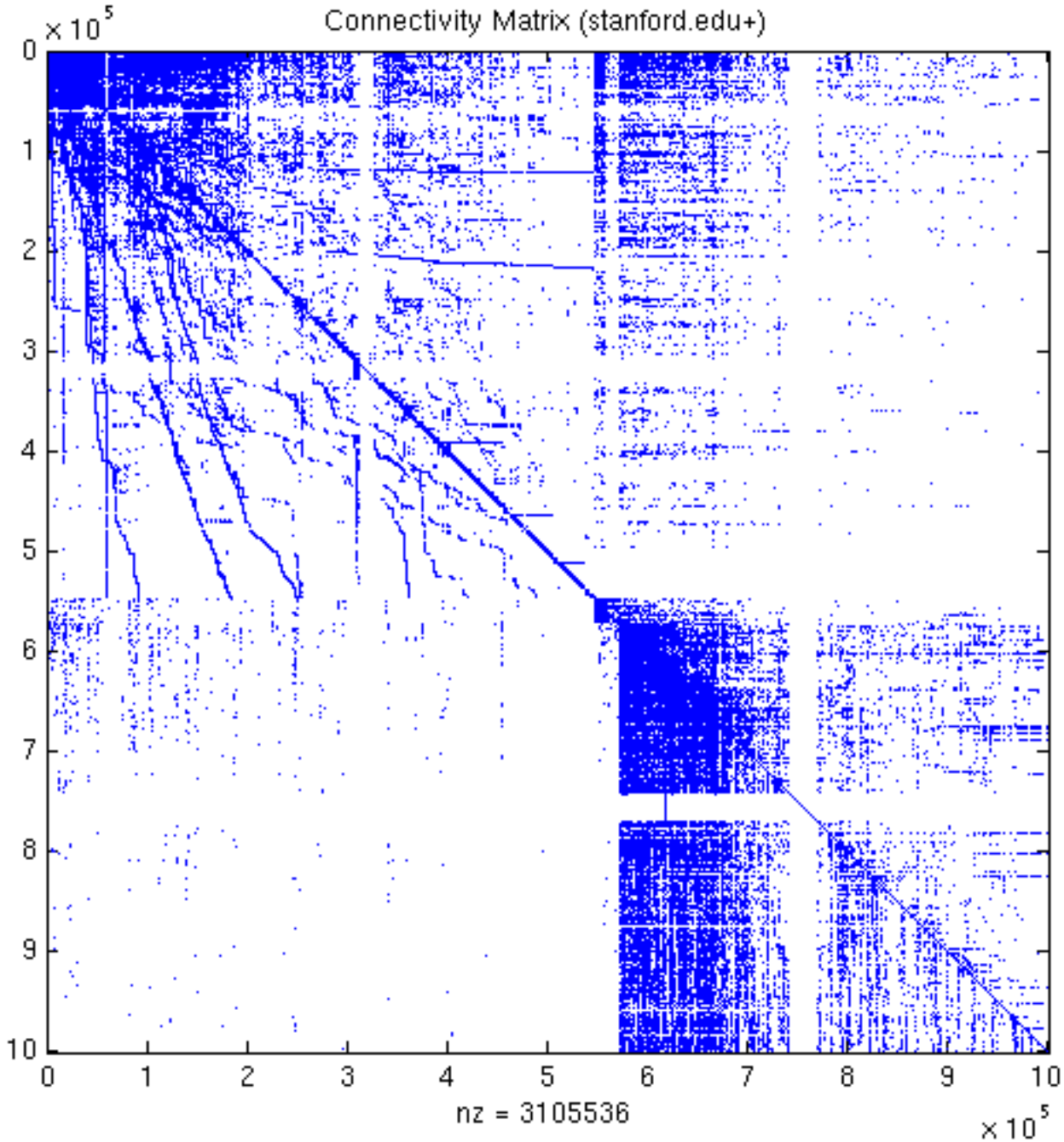
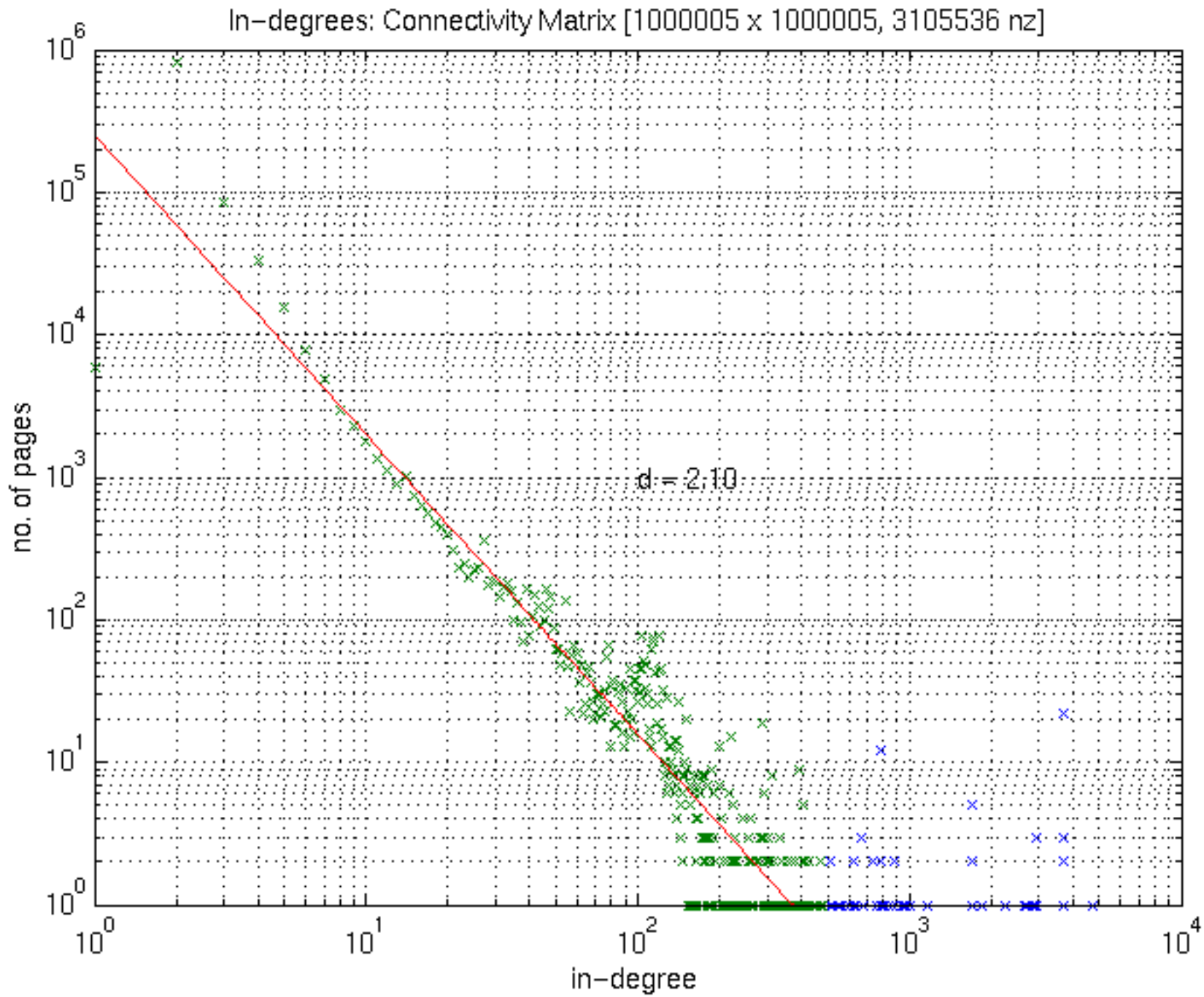
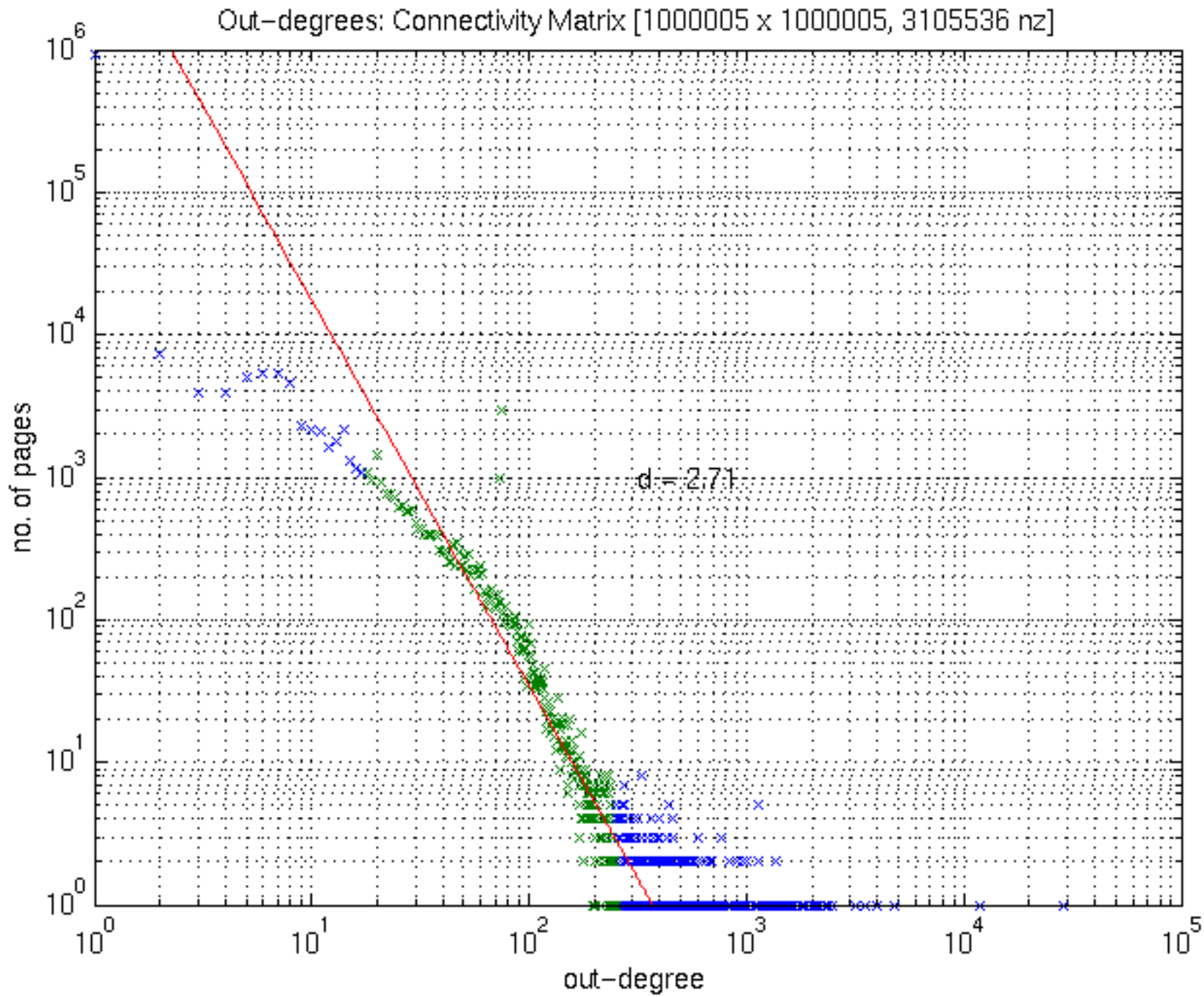
# The Web: View from the Inside

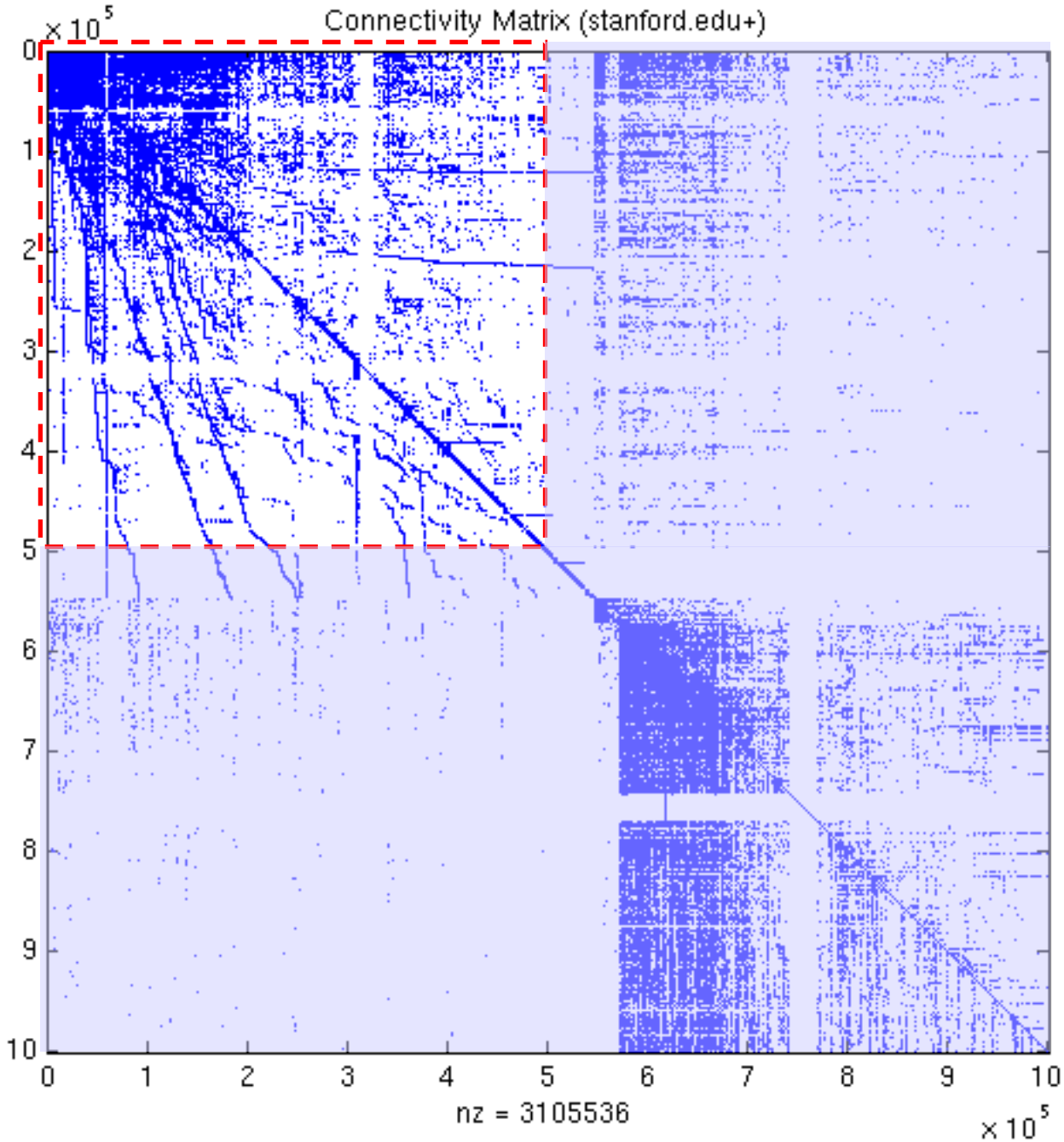
Berkeley Benchmarking and OPtimization Group
bebop.cs.berkeley.edu

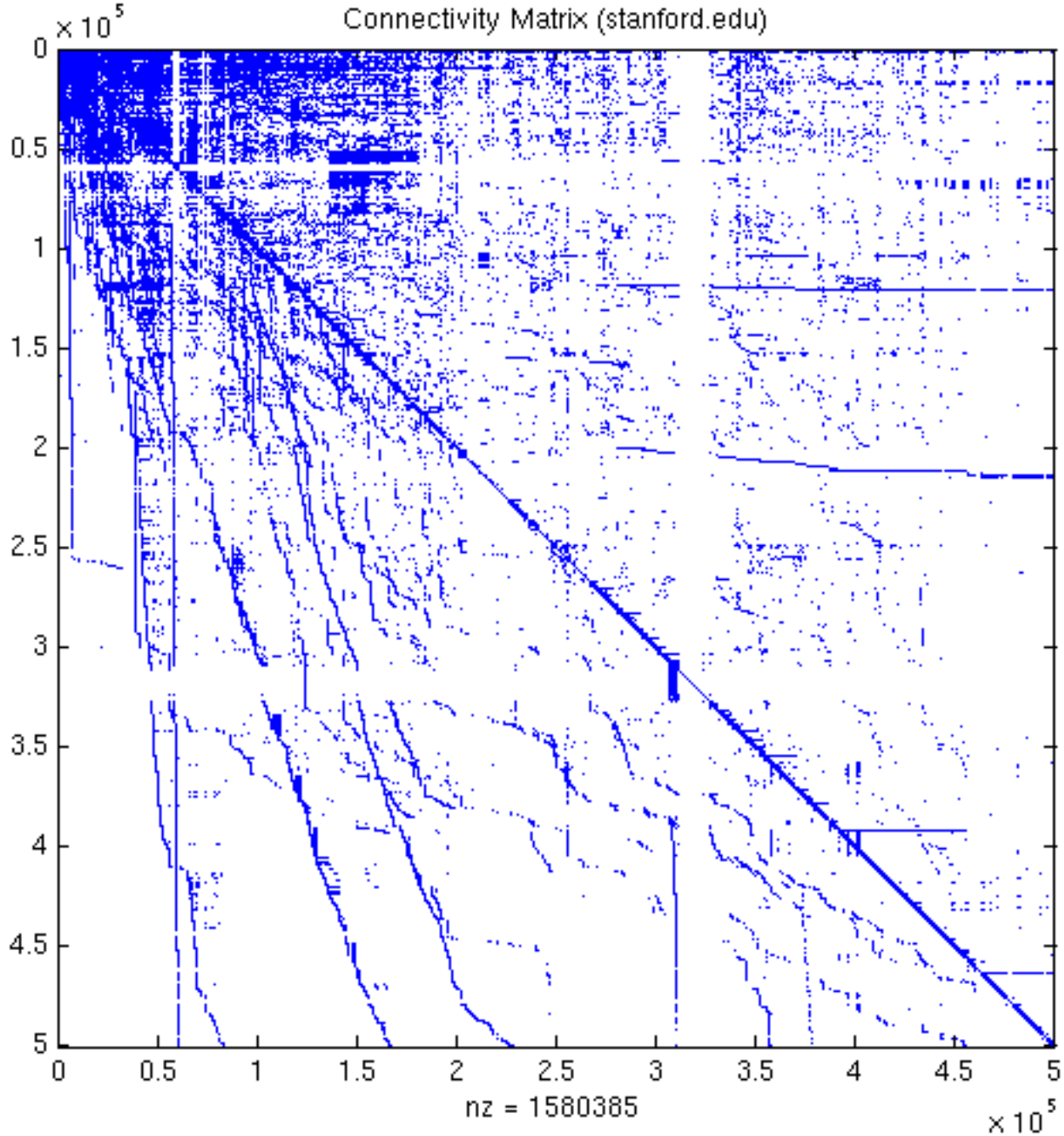
January 24, 2003

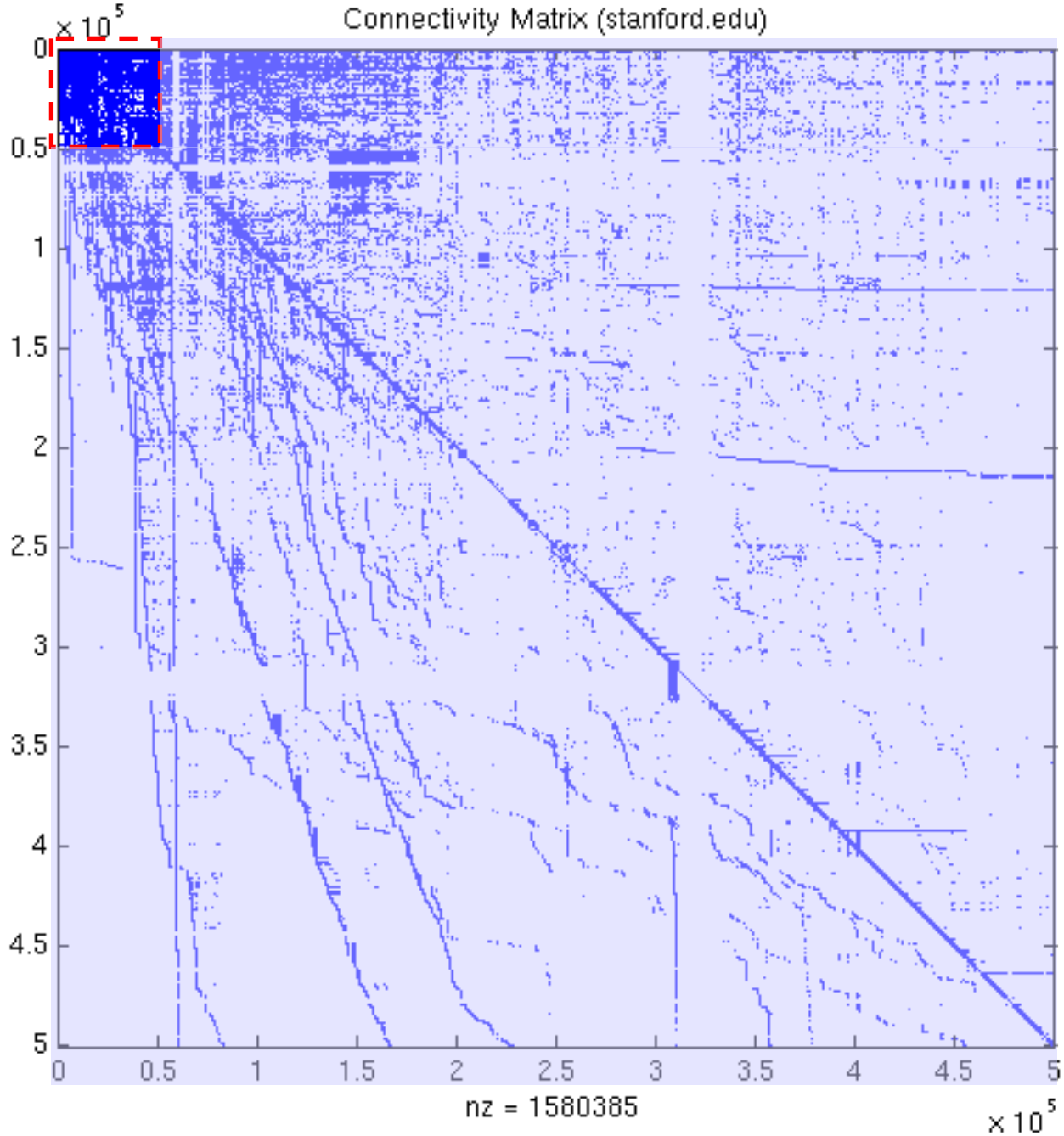

Connectivity Matrix (stanford.edu+)
× 10^5
0
1
2
3
4
5
6
7
8
9
10
0
1
2
3
4
5
6
7
8
9
10
nz = 3105536
× 10^5

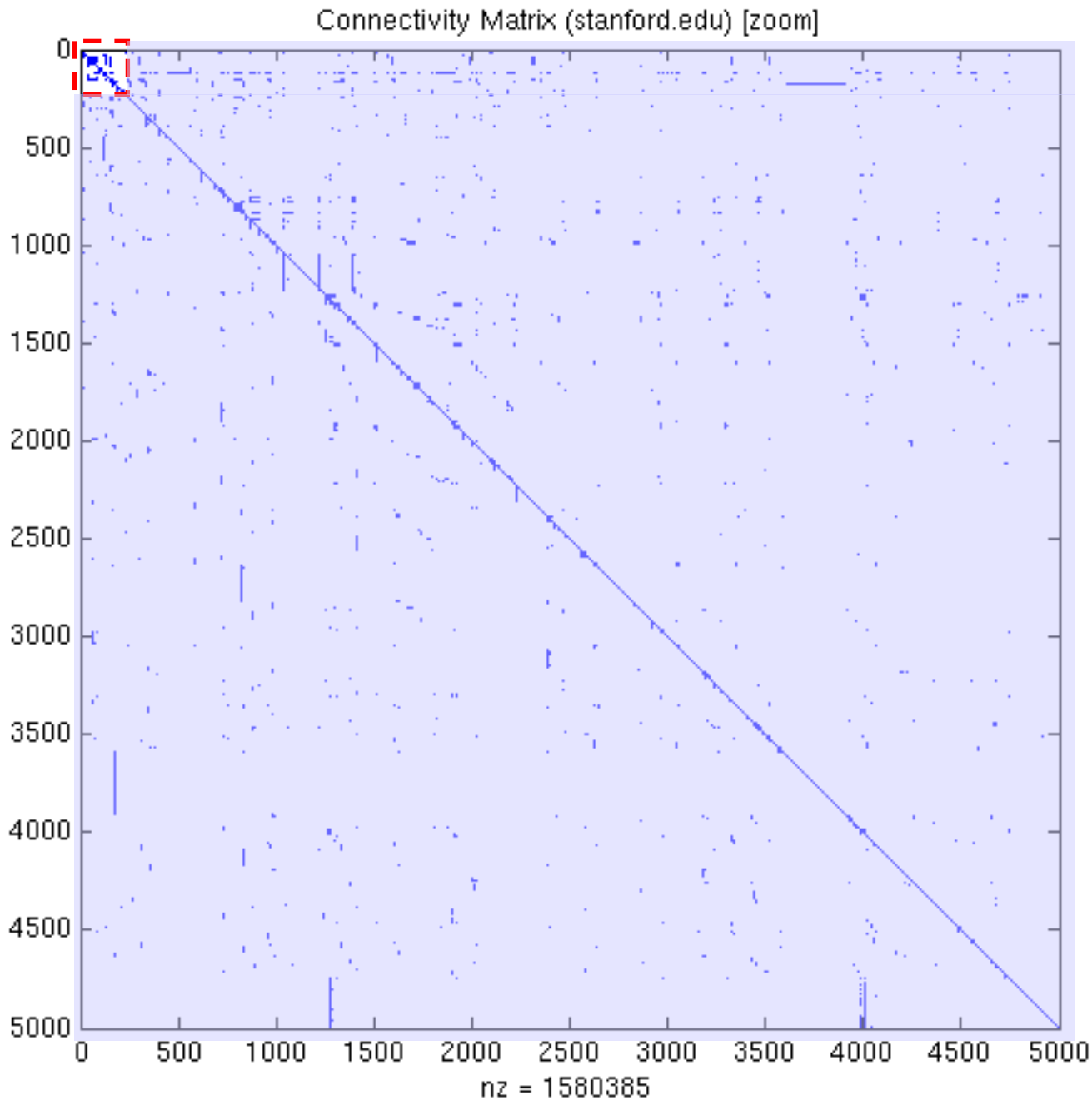

In−degrees: Connectivity Matrix [1000005 x 1000005, 3105536 nz]
no. of pages
in−degree
d = 2.10
$10^0$
$10^1$
$10^2$
$10^3$
$10^4$
$10^5$
$10^6$

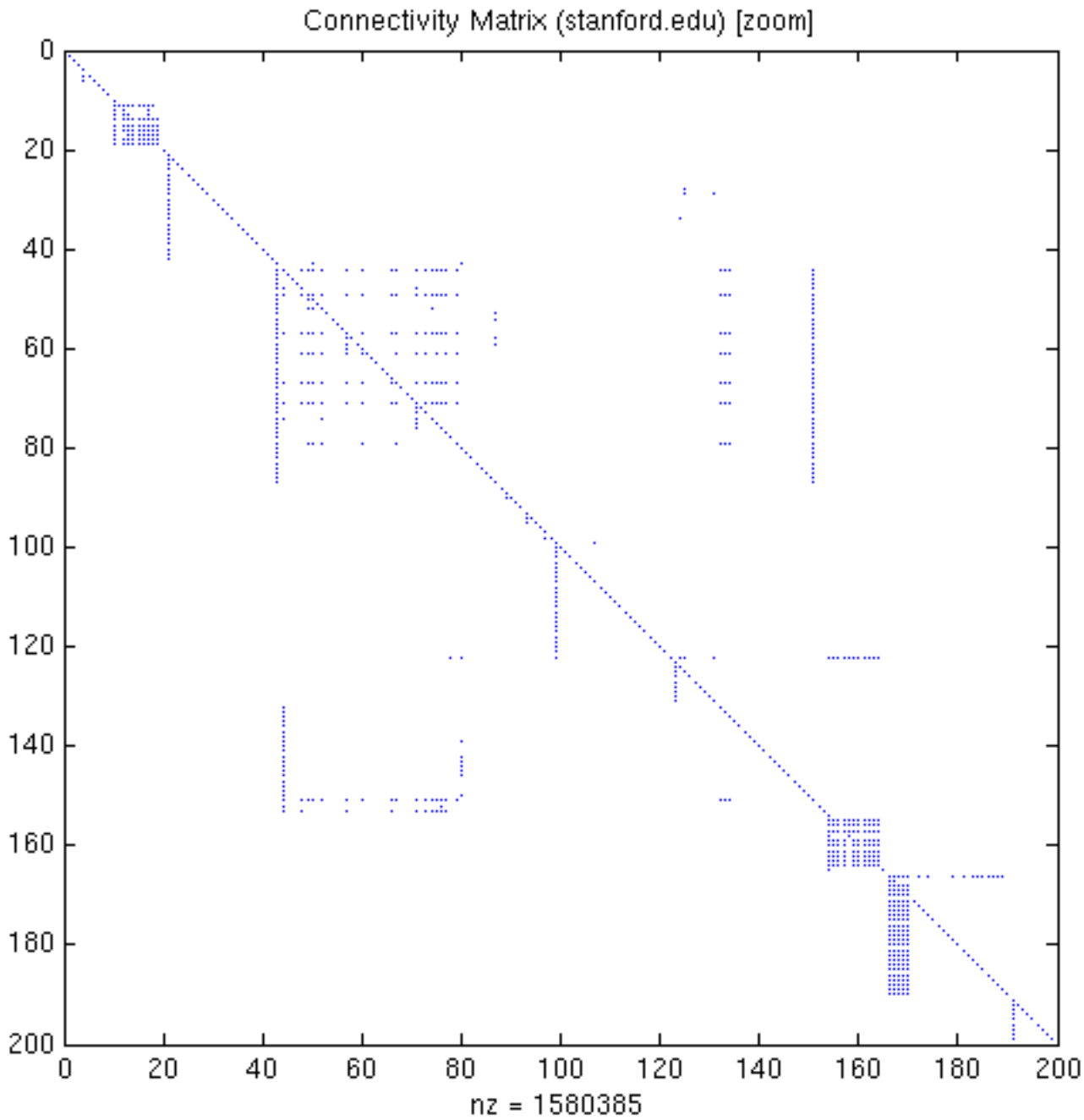

Out−degrees: Connectivity Matrix [1000005 x 1000005, 3105536 nz]
no. of pages
out−degree
d = 2.71
$10^0$
$10^1$
$10^2$
$10^3$
$10^4$
$10^5$
$10^6$

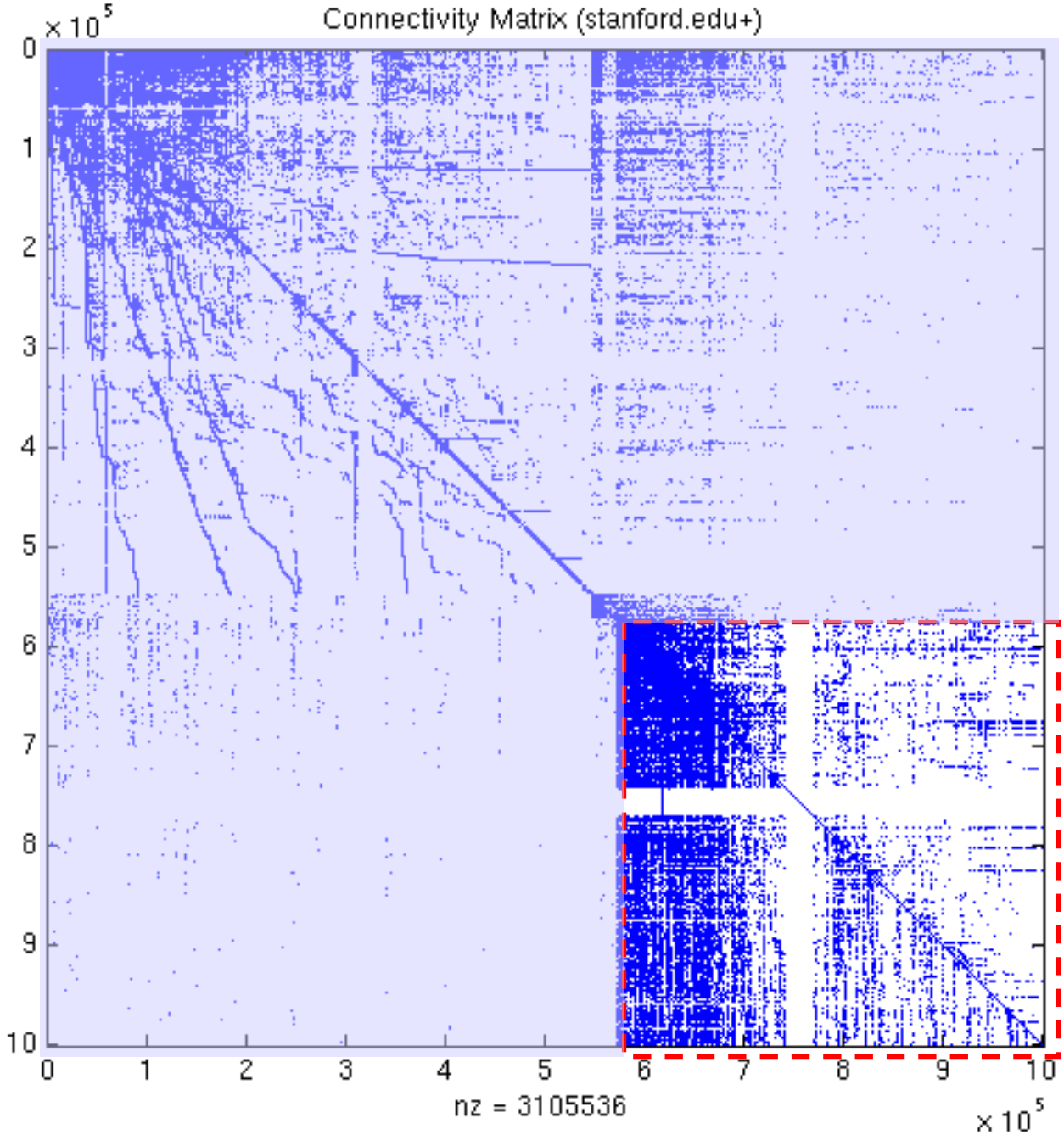

Connectivity Matrix (stanford.edu+)
× 10^5
0
1
2
3
4
5
6
7
8
9
10
0
1
2
3
4
5
6
7
8
9
10
nz = 3105536
× 10^5


Connectivity Matrix (stanford.edu)
× 10^5
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
nz = 1580385
× 10^5


Connectivity Matrix (stanford.edu)
× 10^5
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
nz = 1580385
× 10^5


Connectivity Matrix (stanford.edu) [zoom]
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
nz = 1580385


Connectivity Matrix (stanford.edu) [zoom]
0
20
40
60
80
100
120
140
160
180
200
0
20
40
60
80
100
120
140
160
180
200
nz = 1580385


Connectivity Matrix (stanford.edu+)
× 10^5
0
1
2
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9
10
0
1
2
3
4
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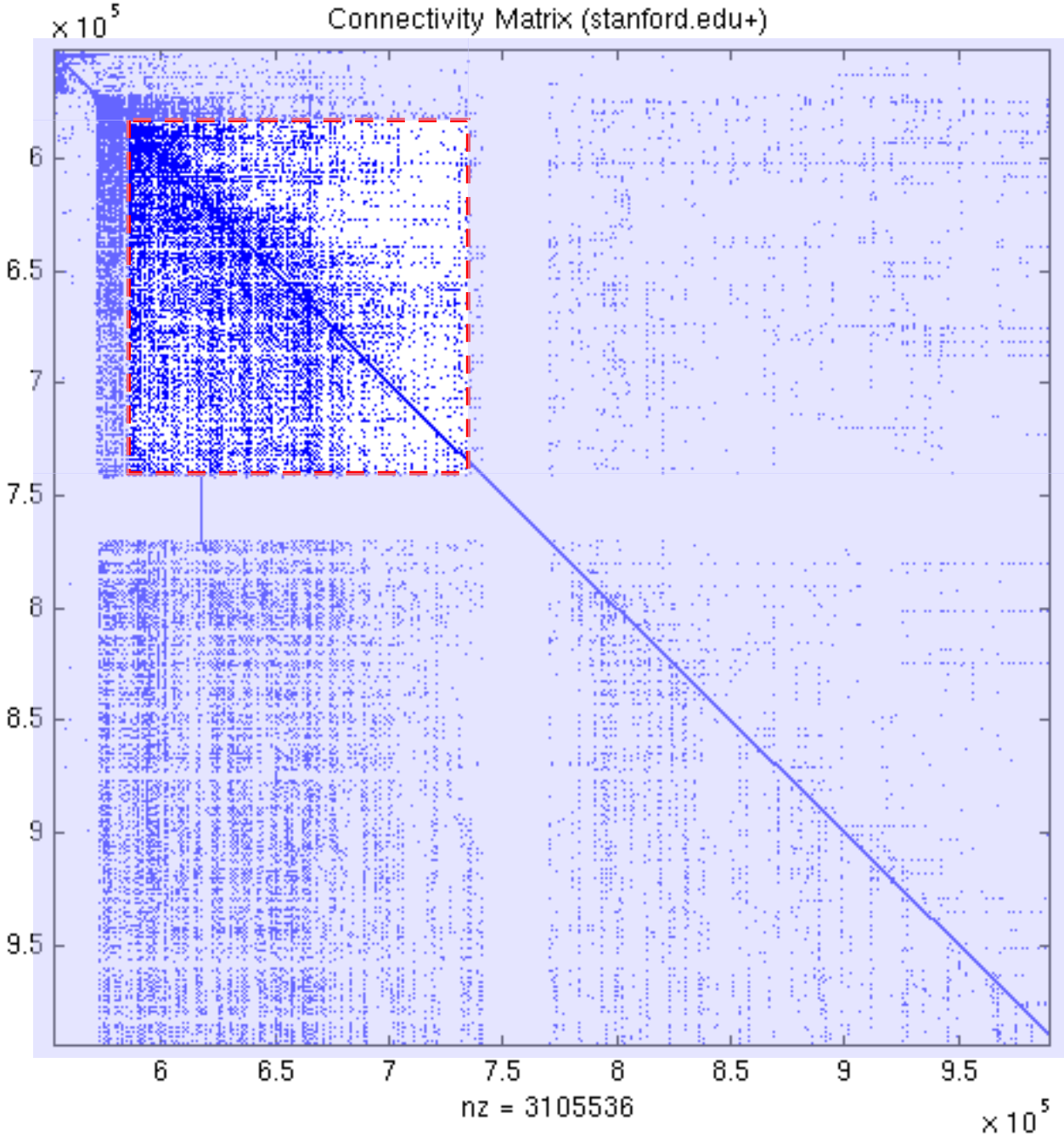
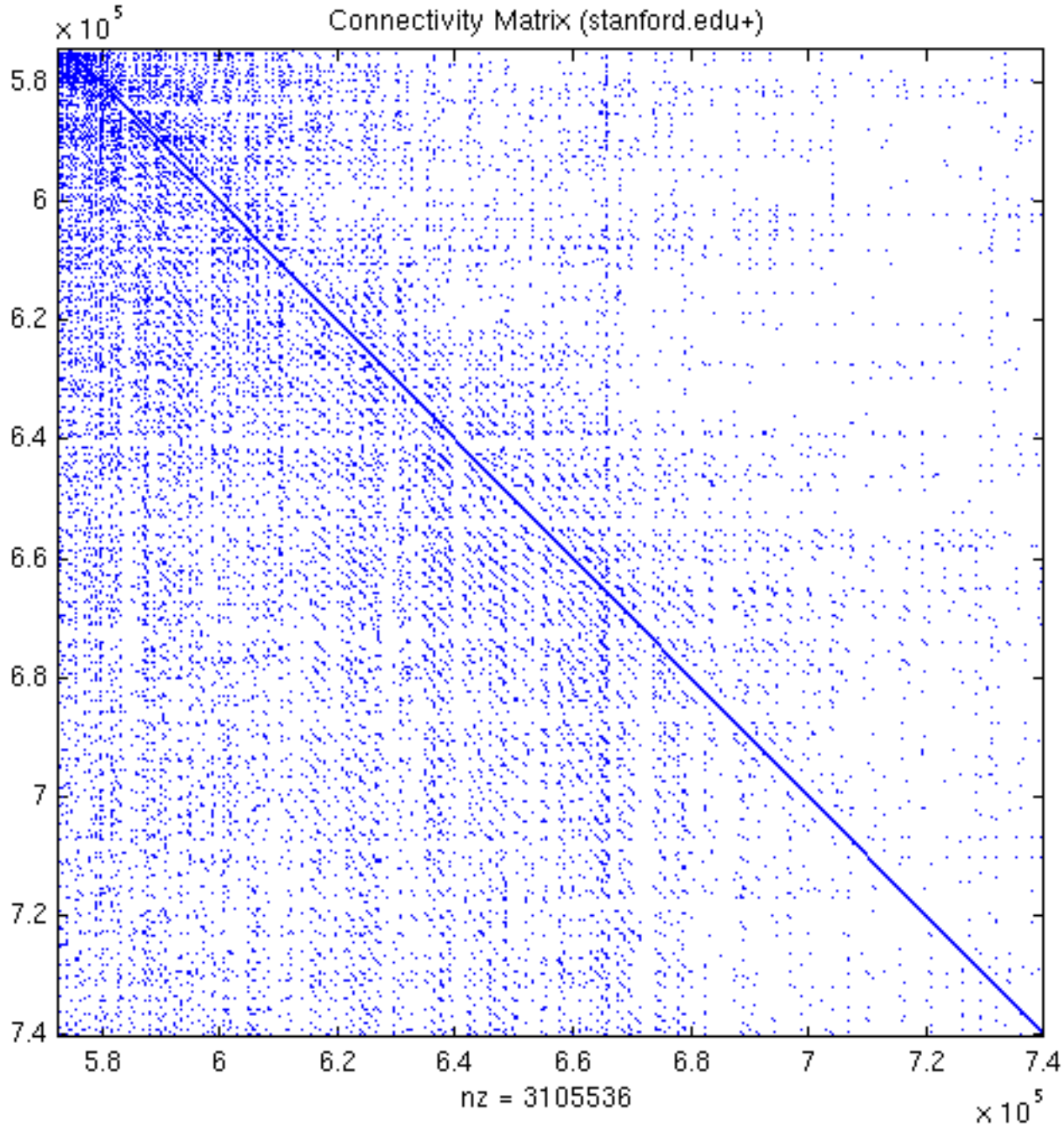
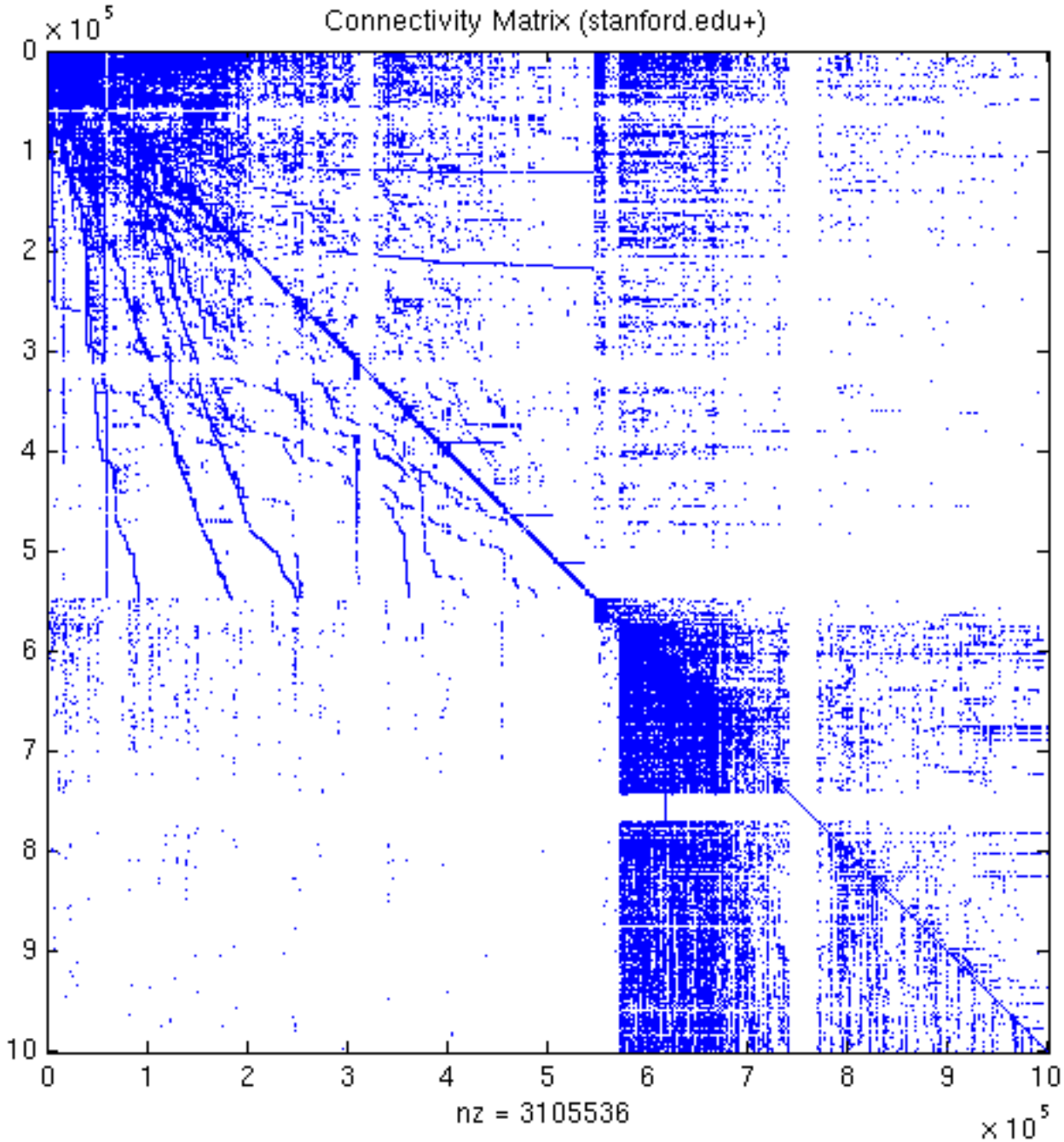
7
8
9
10
nz = 3105536
× 10^5


Connectivity Matrix (stanford.edu+)
× 10^5
6
6.5
7
7.5
8
8.5
9
9.5
6
6.5
7
7.5
8
8.5
9
9.5
nz = 3105536
× 10^5


Connectivity Matrix (stanford.edu+)
× 10^5
5.8
6
6.2
6.4
6.6
6.8
7
7.2
7.4
5.8
6
6.2
6.4
6.6
6.8
7
7.2
7.4
nz = 3105536
× 10^5


Connectivity Matrix (stanford.edu+)
× 10^5
0
1
2
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0
1
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5
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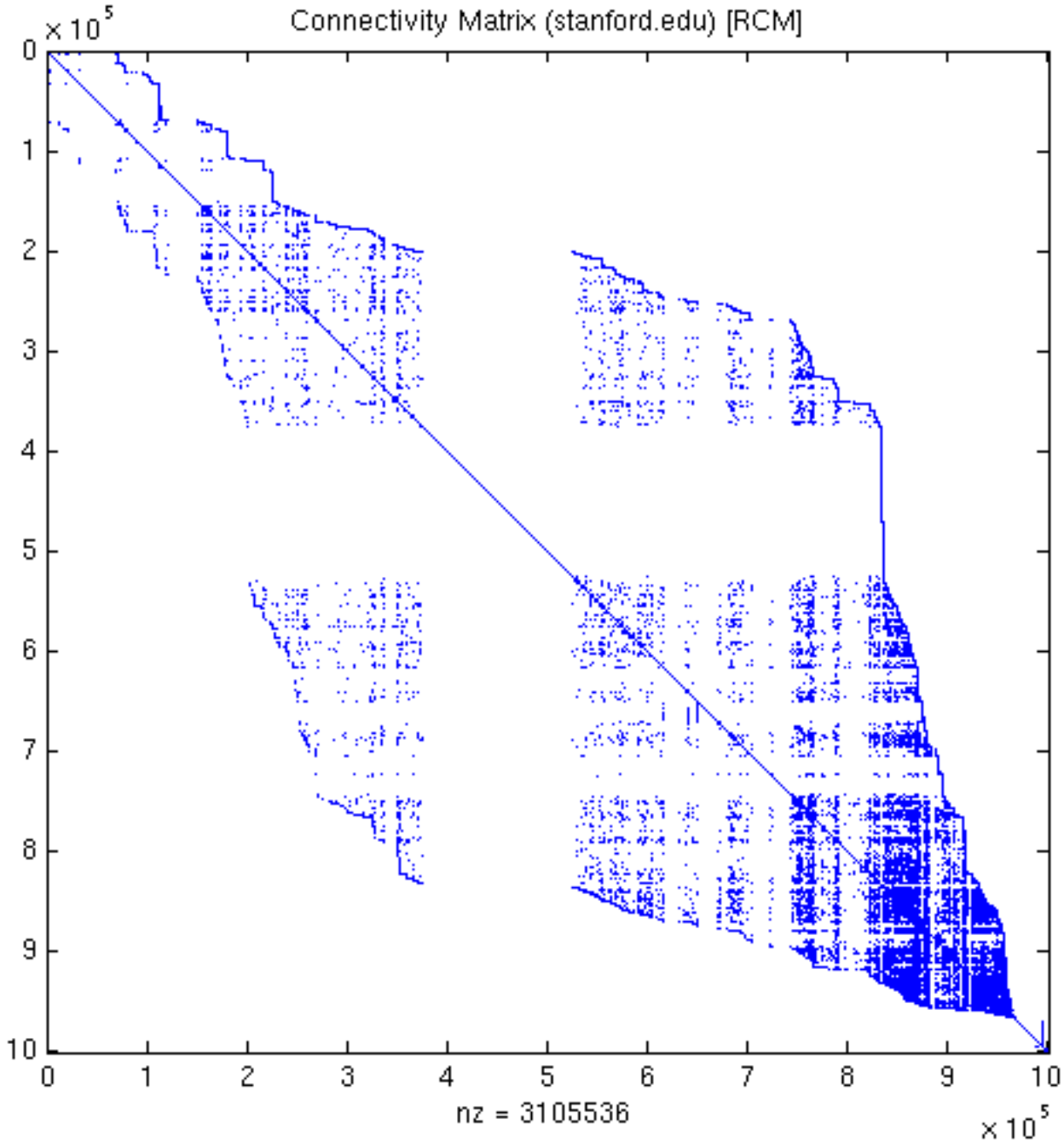
9
10
nz = 3105536
× 10^5


Connectivity Matrix (stanford.edu) [RCM]
× 10^5
0
1
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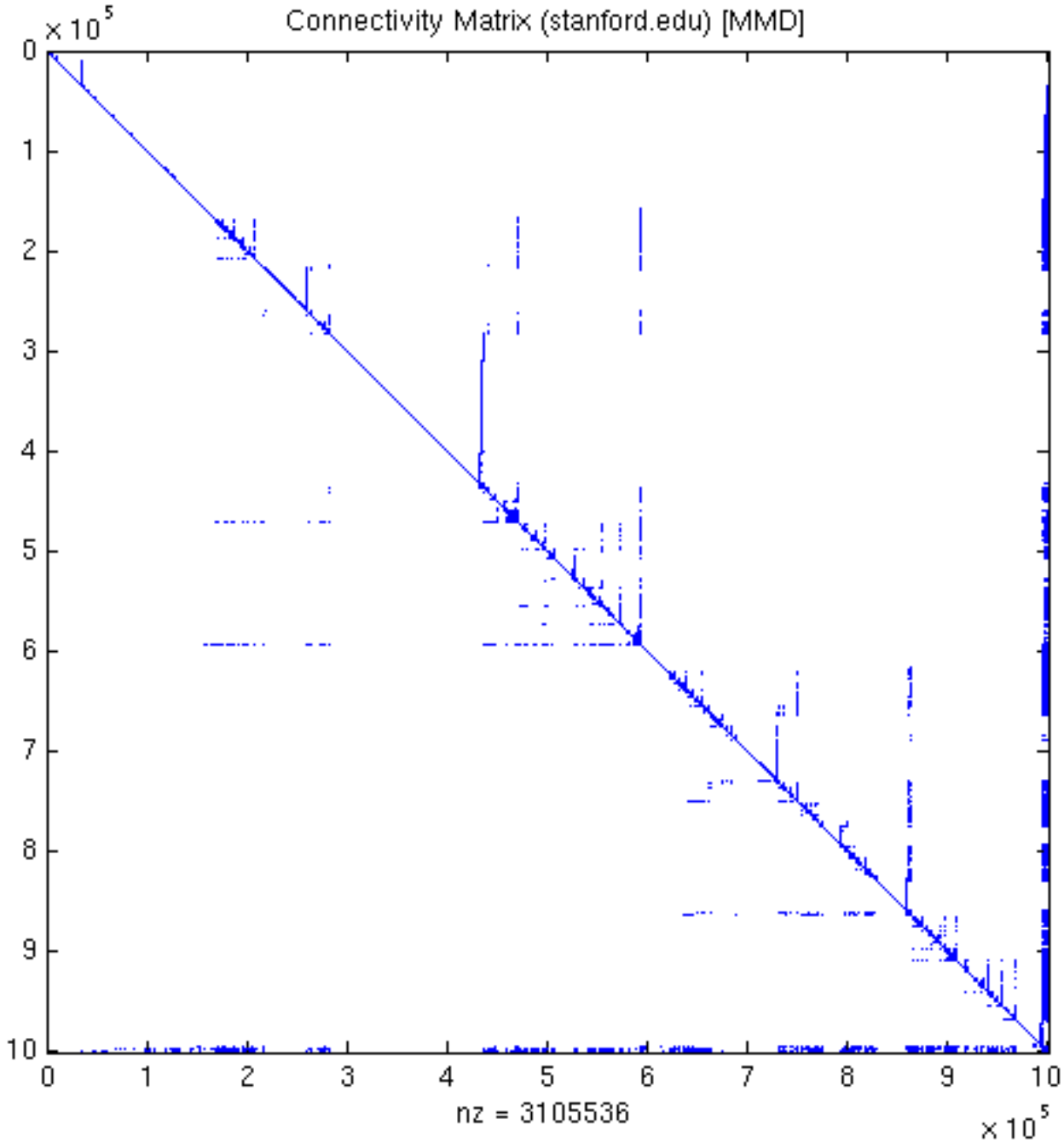
8
9
10
0
1
2
3
4
5
6
7
8
9
10
nz = 3105536
× 10^5


Connectivity Matrix (stanford.edu) [MMD]
× 10^5
0
1
2
3
4
5
6
7
8
9
10
0
1
2
3
4
5
6
7
8
9
10
nz = 3105536
× 10^5