

Normalized Betti Number

0.05
0.04
0.03
0.02
0.01
0.00

0

1

2

3

4

5

r

$\beta_1(\mathbb{X}_n, r)/n$

— $n = 1000$

— $n = 5000$

— $n = 10000$

- - $r_n = 20 \times n^{-1/2}$

