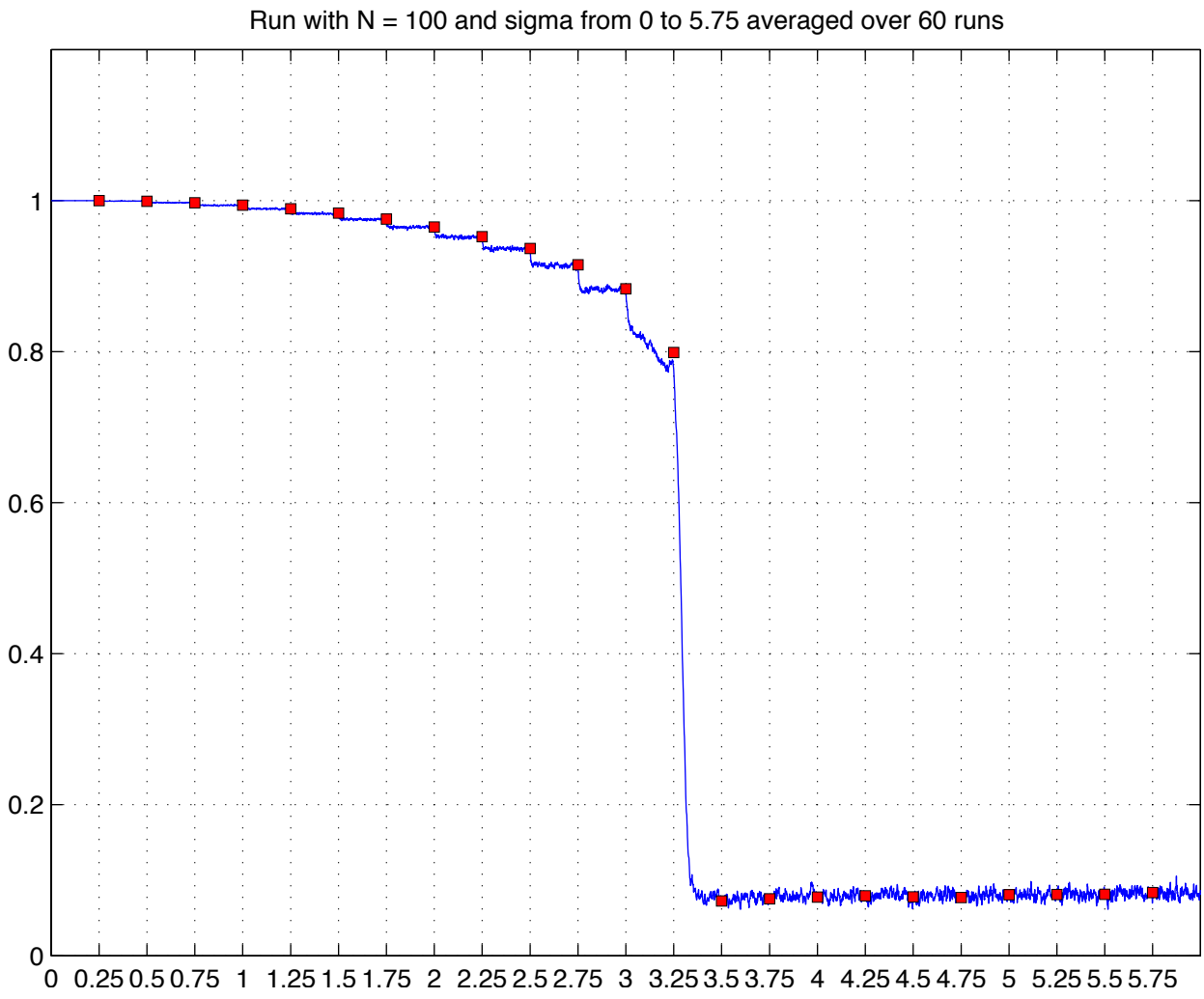
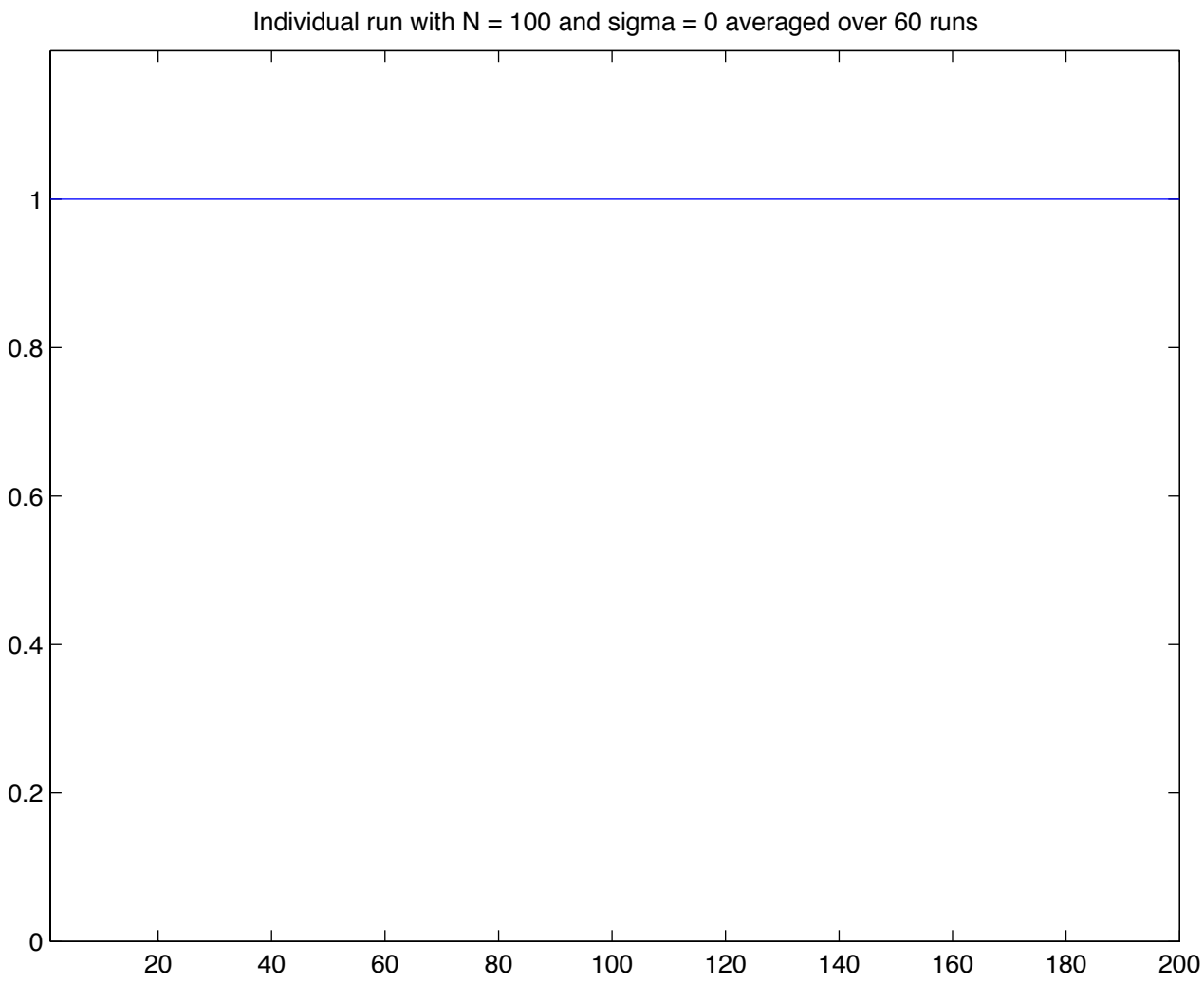
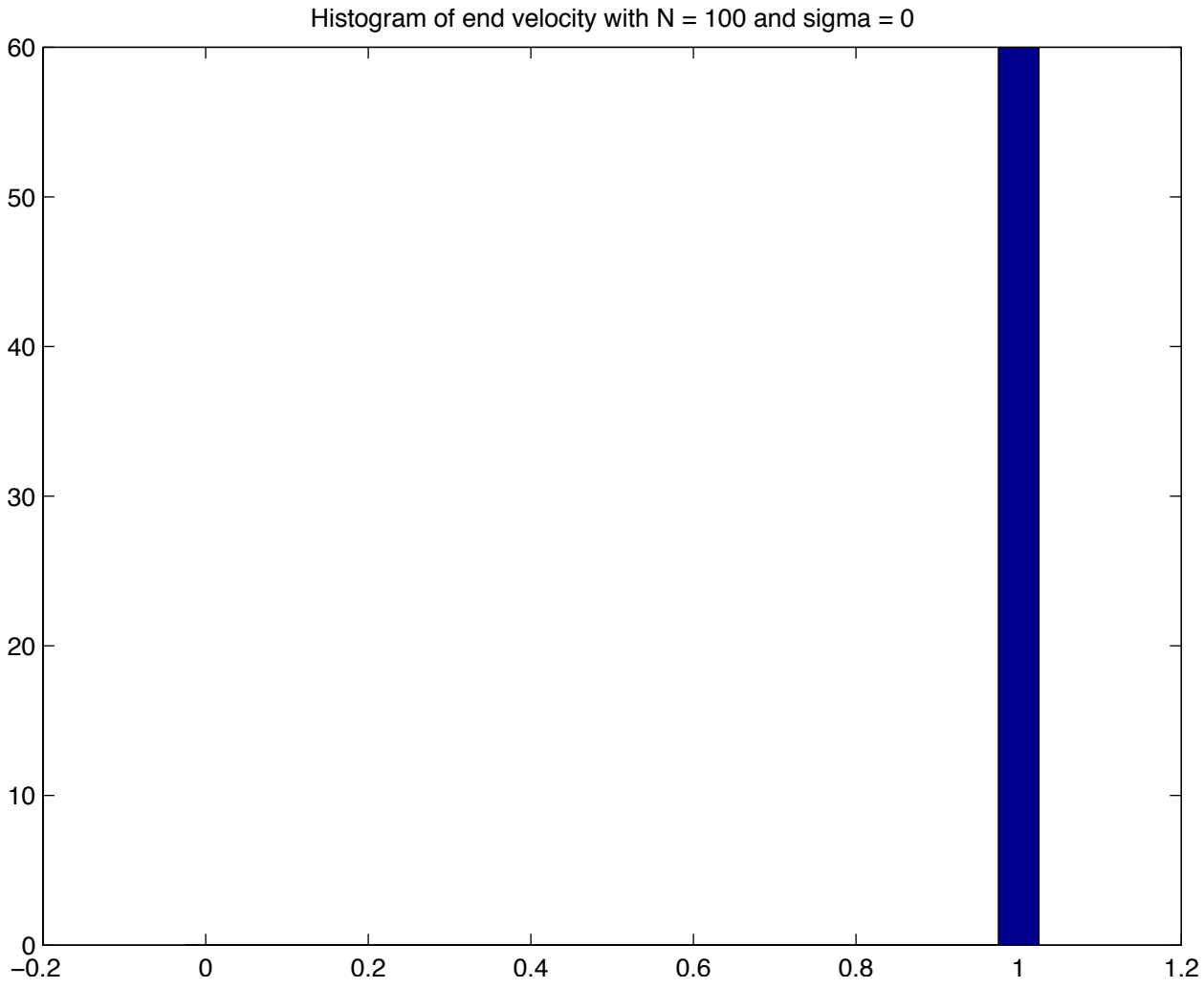
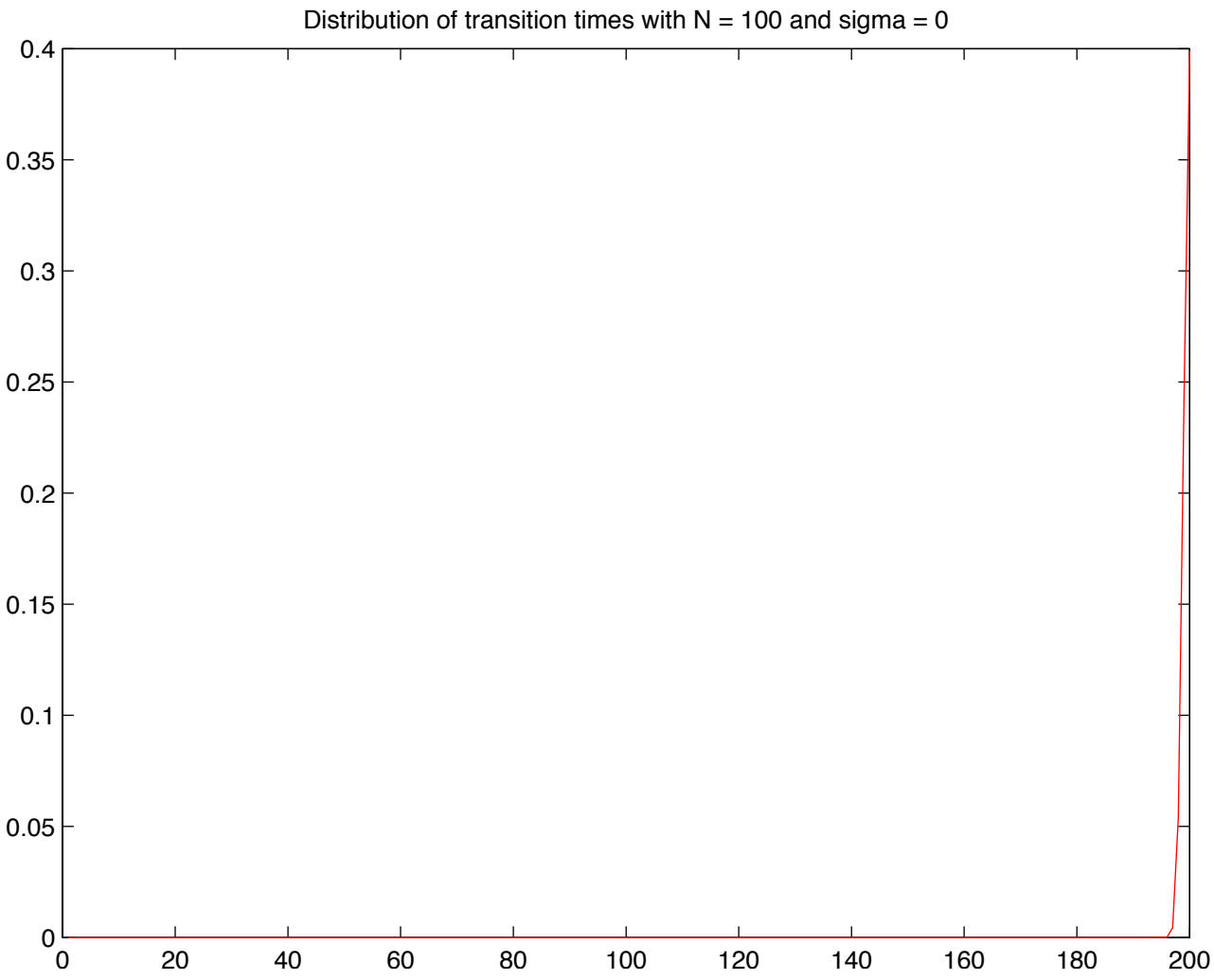
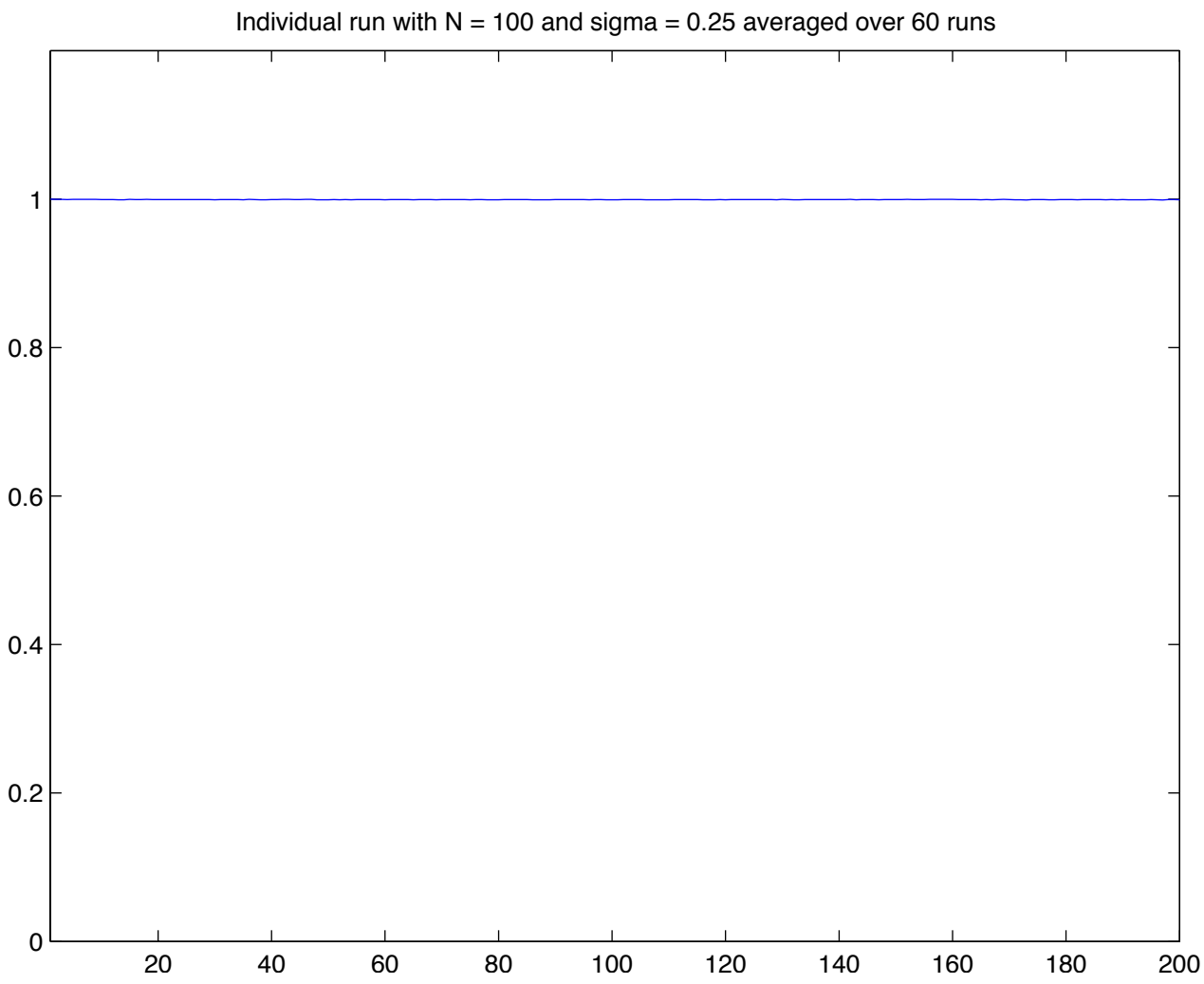
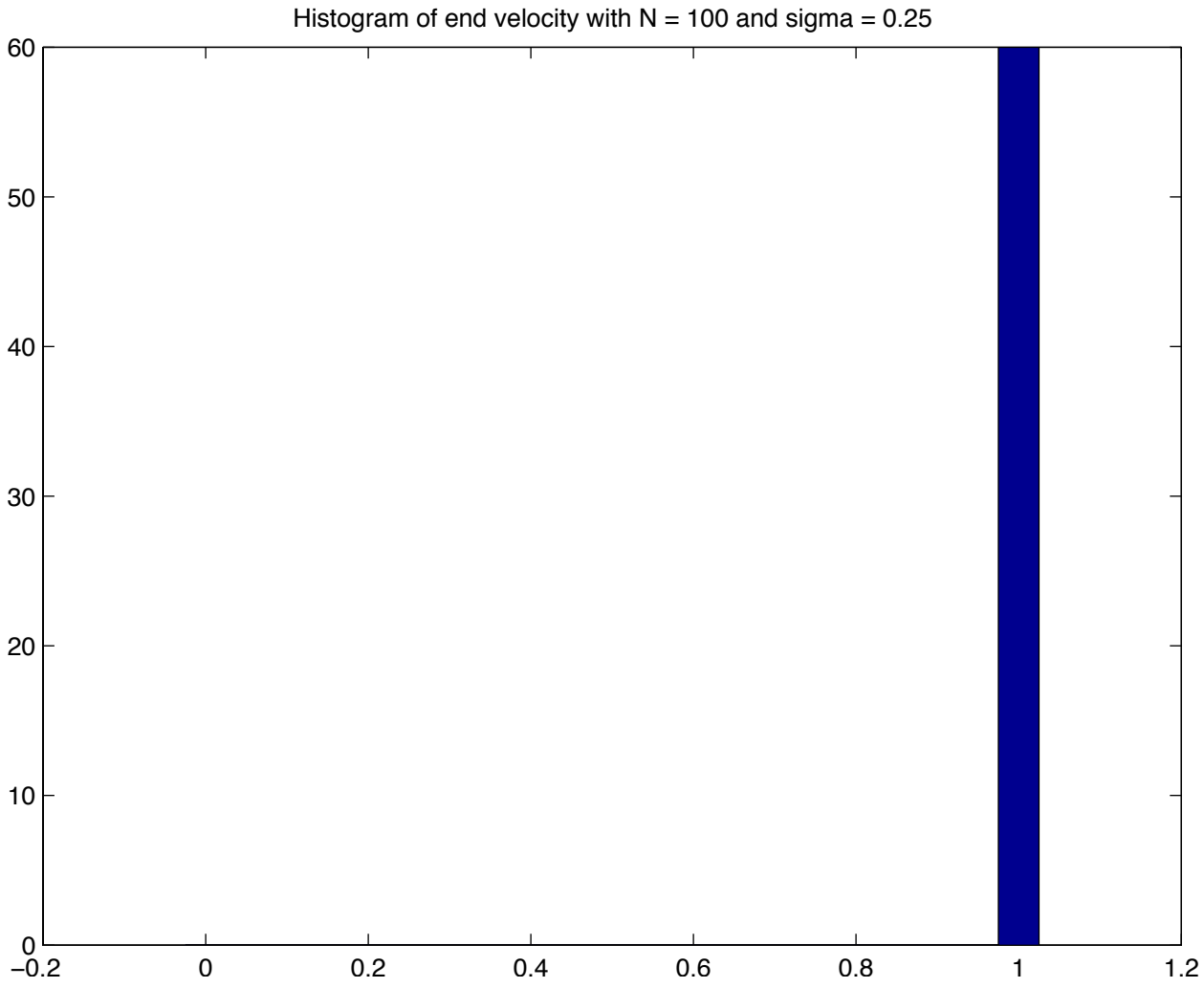

Run with N = 100 and sigma from 0 to 5.75 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
0 0.25 0.5 0.75 1 1.25 1.5 1.75 2 2.25 2.5 2.75 3 3.25 3.5 3.75 4 4.25 4.5 4.75 5 5.25 5.5 5.75

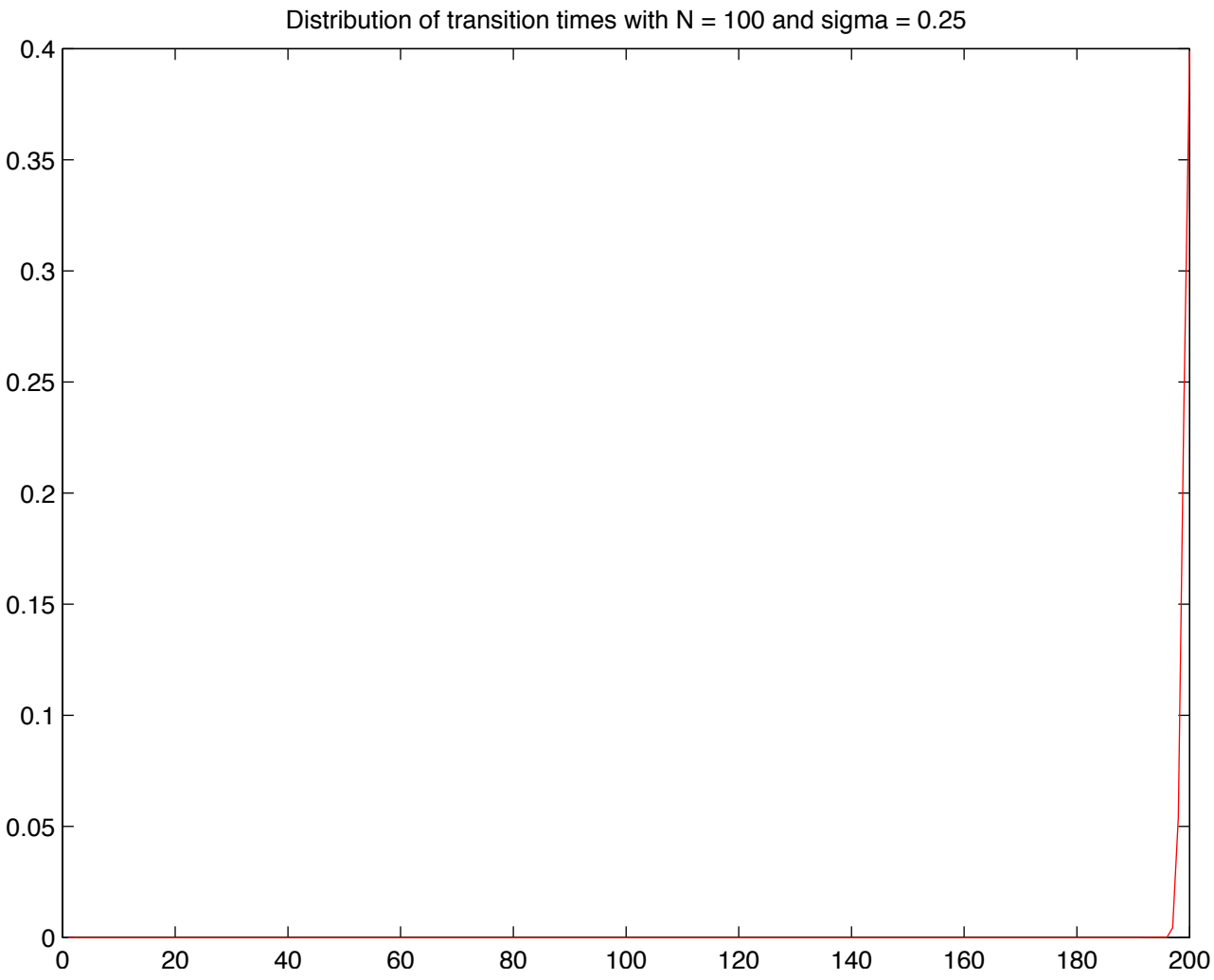

Individual run with N = 100 and sigma = 0 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

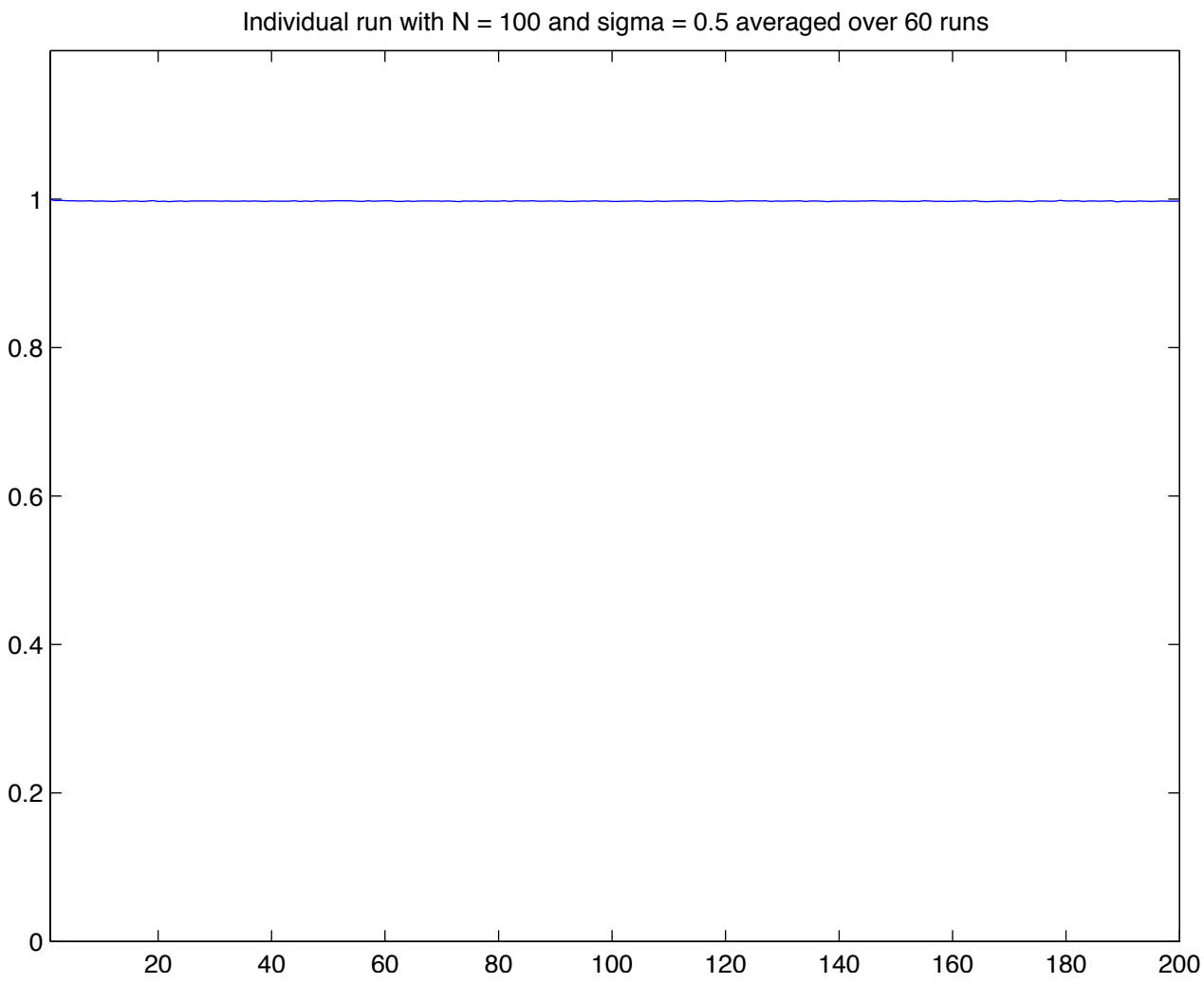

Histogram of end velocity with N = 100 and sigma = 0
60
50
40
30
20
10
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

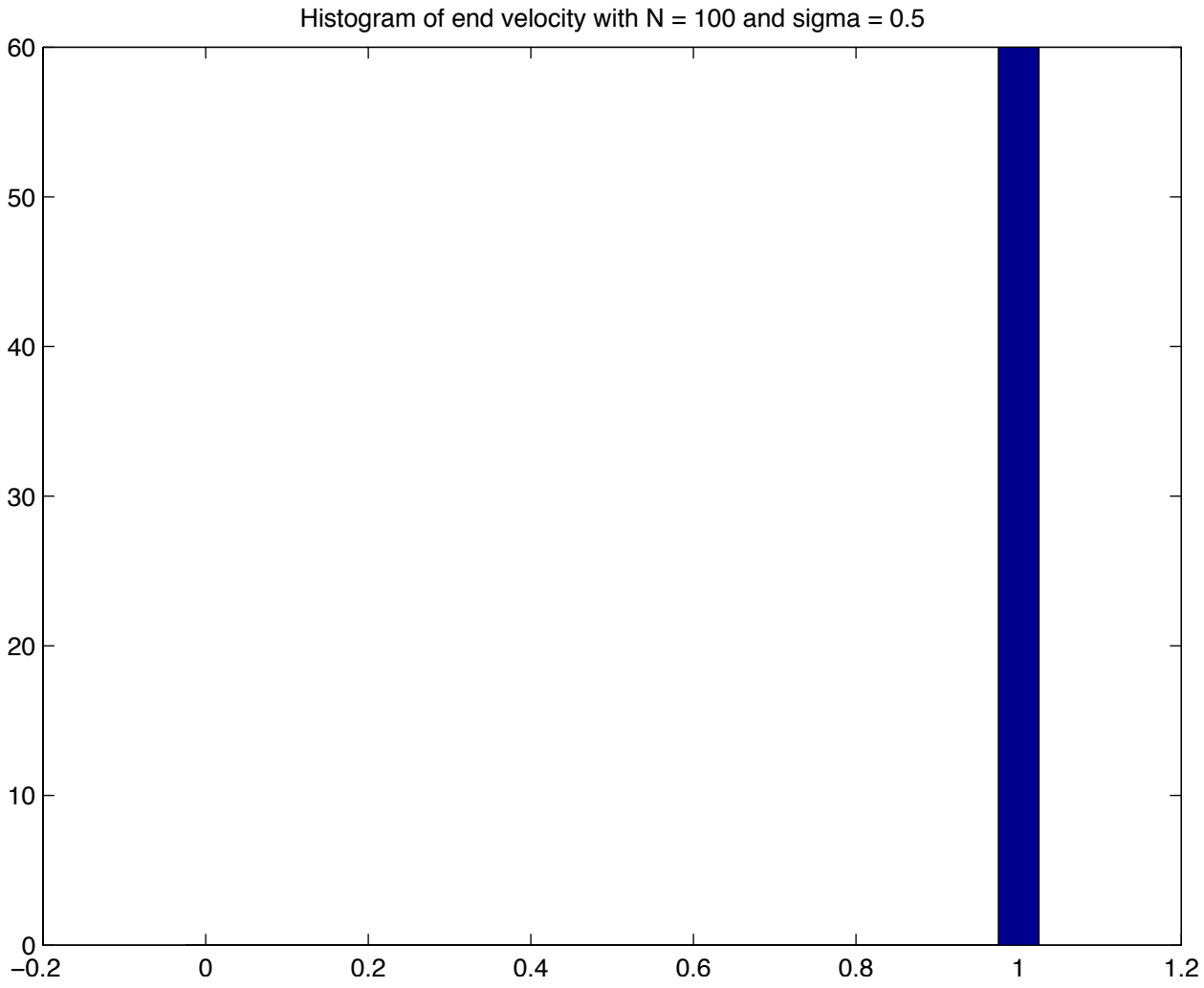

Distribution of transition times with N = 100 and sigma = 0
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100
120
140
160
180
200

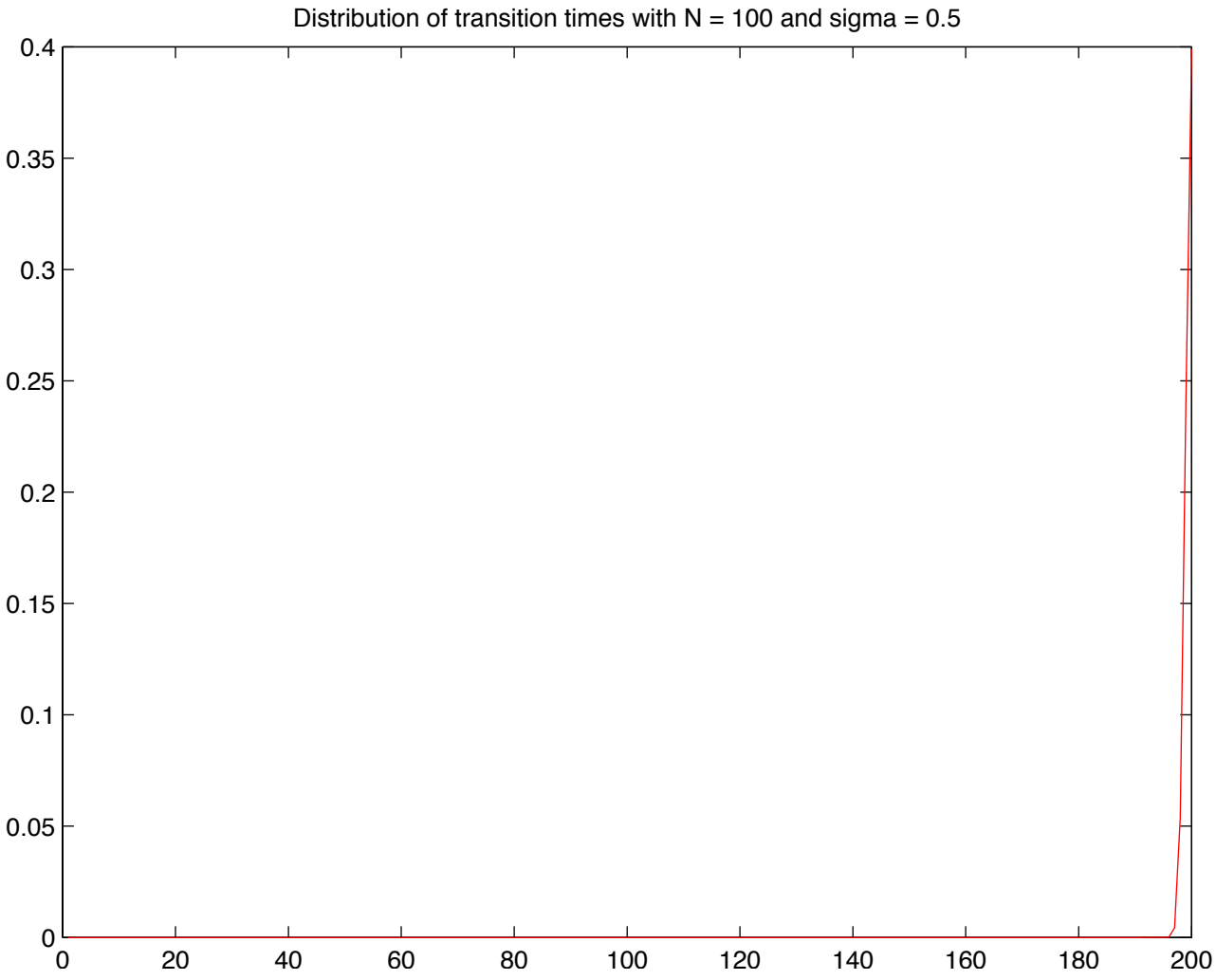

Individual run with N = 100 and sigma = 0.25 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

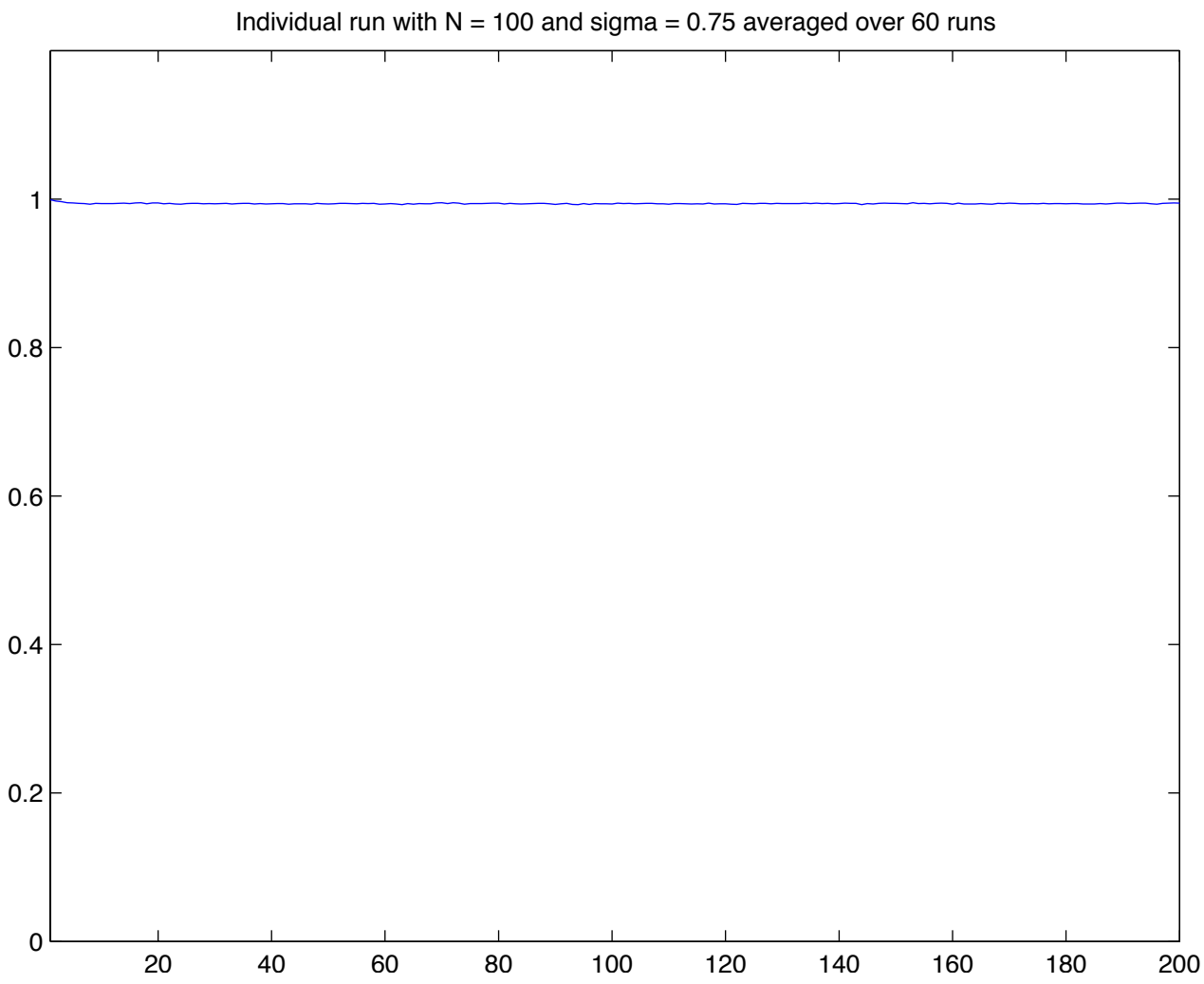

Histogram of end velocity with N = 100 and sigma = 0.25
60
50
40
30
20
10
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

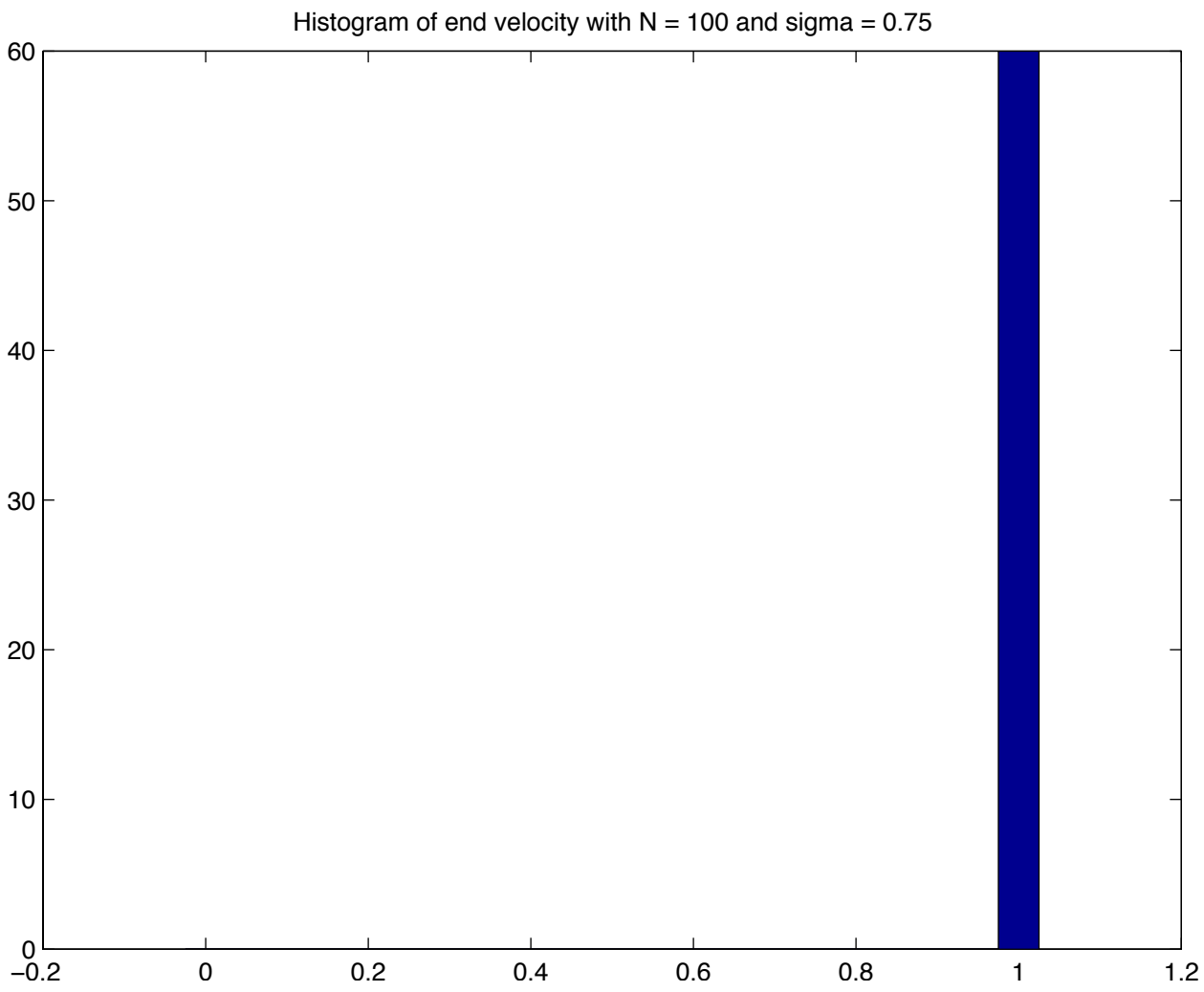

Distribution of transition times with N = 100 and sigma = 0.25
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100
120
140
160
180
200

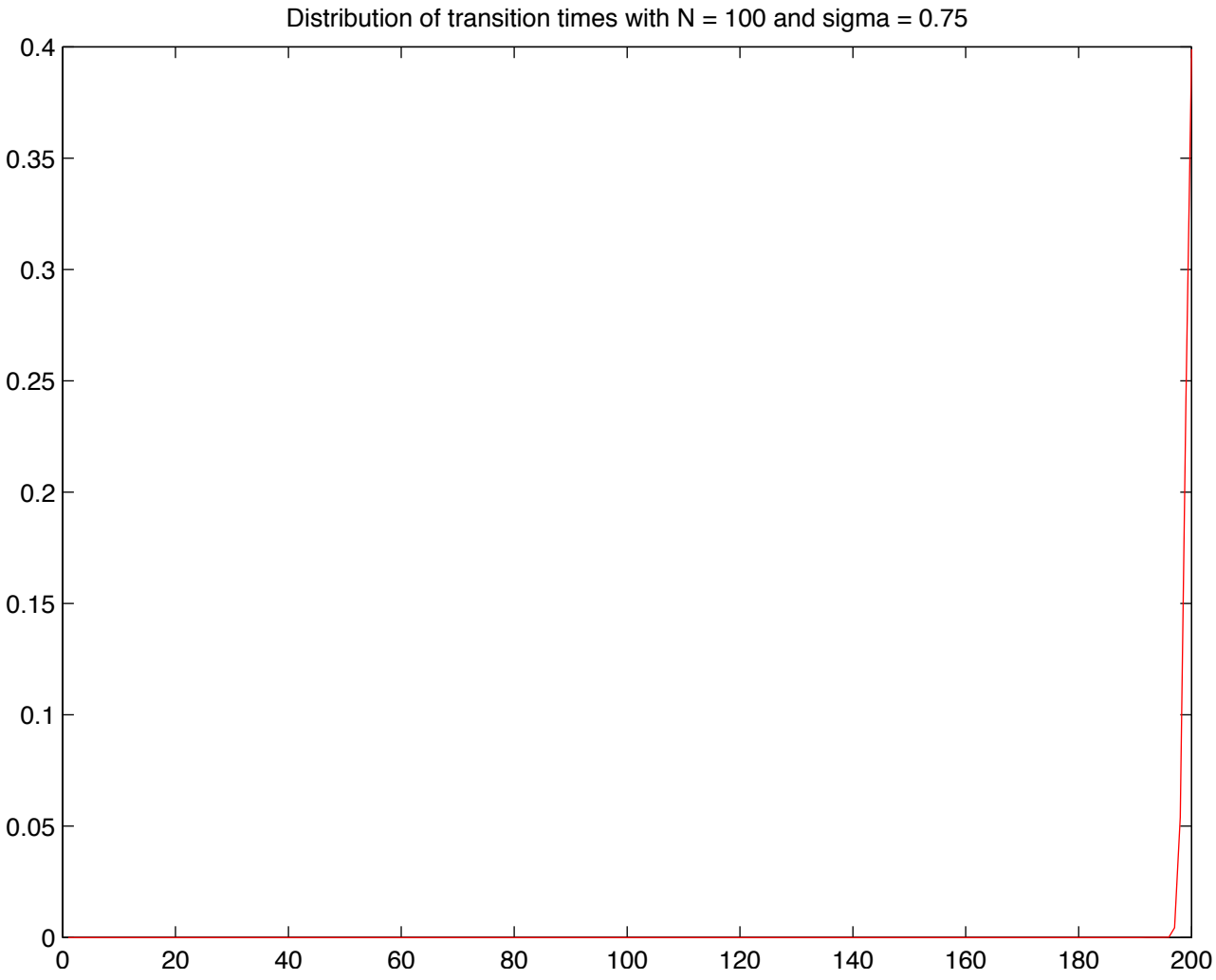

Individual run with N = 100 and sigma = 0.5 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

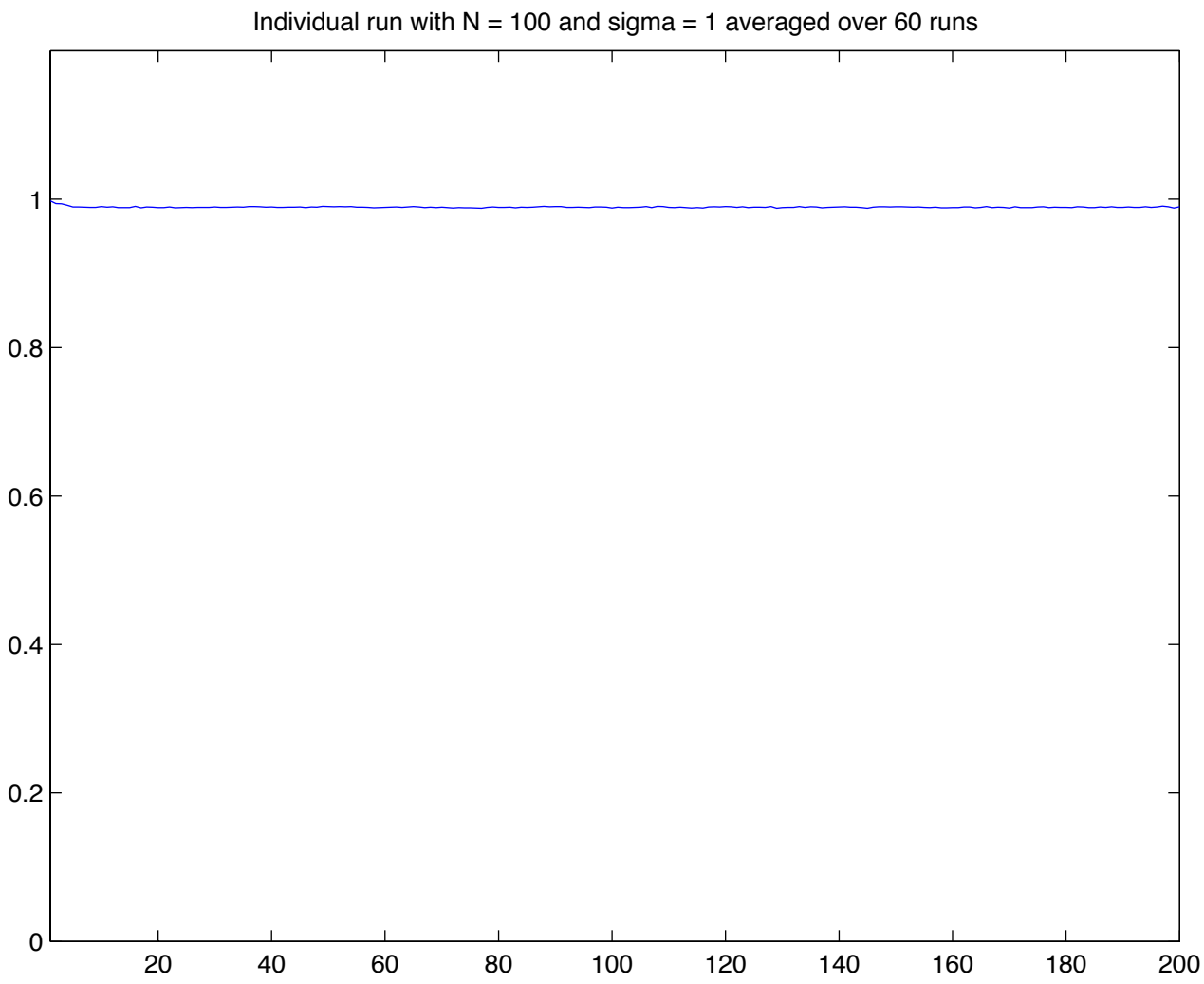

Histogram of end velocity with N = 100 and sigma = 0.5
60
50
40
30
20
10
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

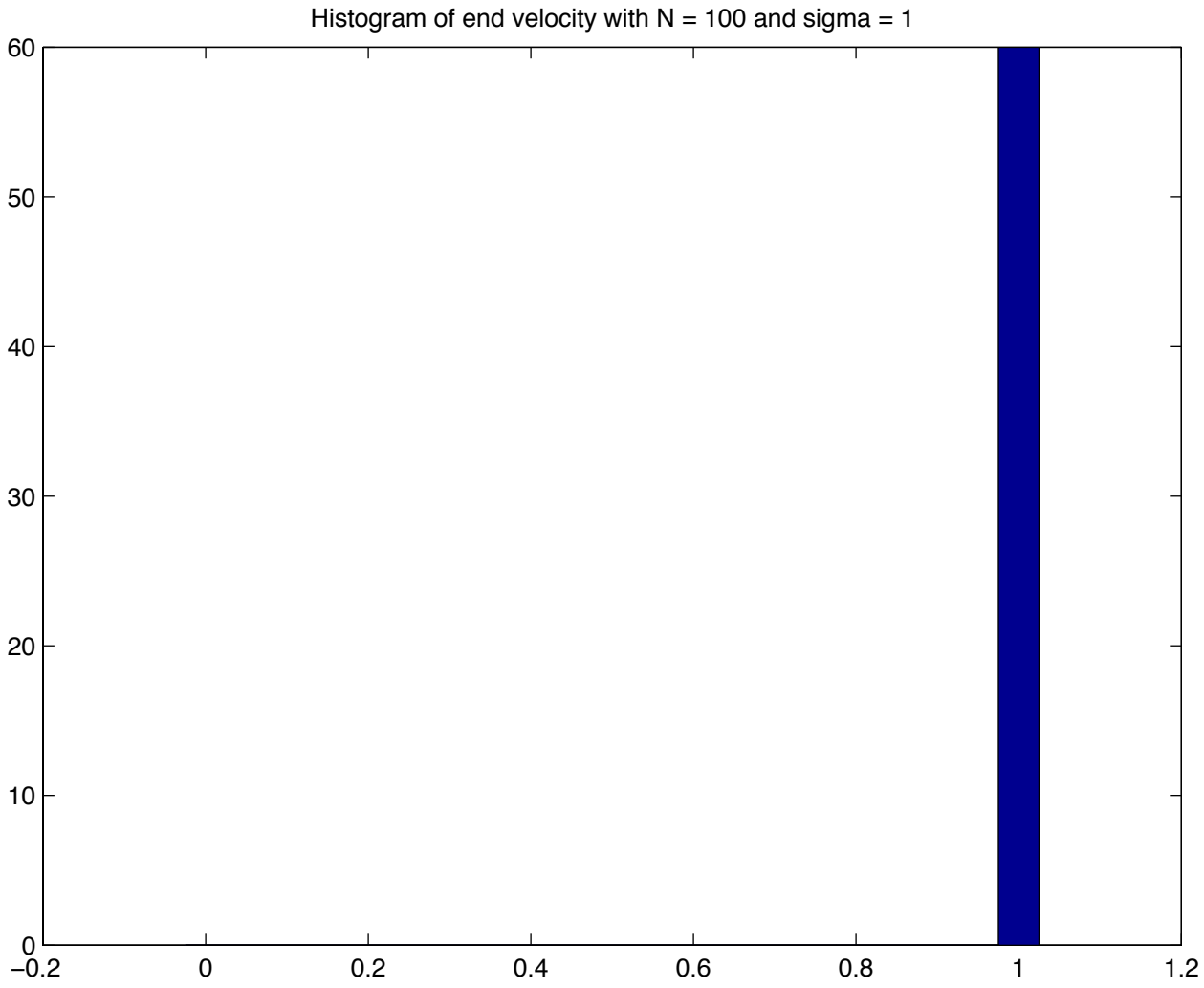

Distribution of transition times with N = 100 and sigma = 0.5
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100
120
140
160
180
200

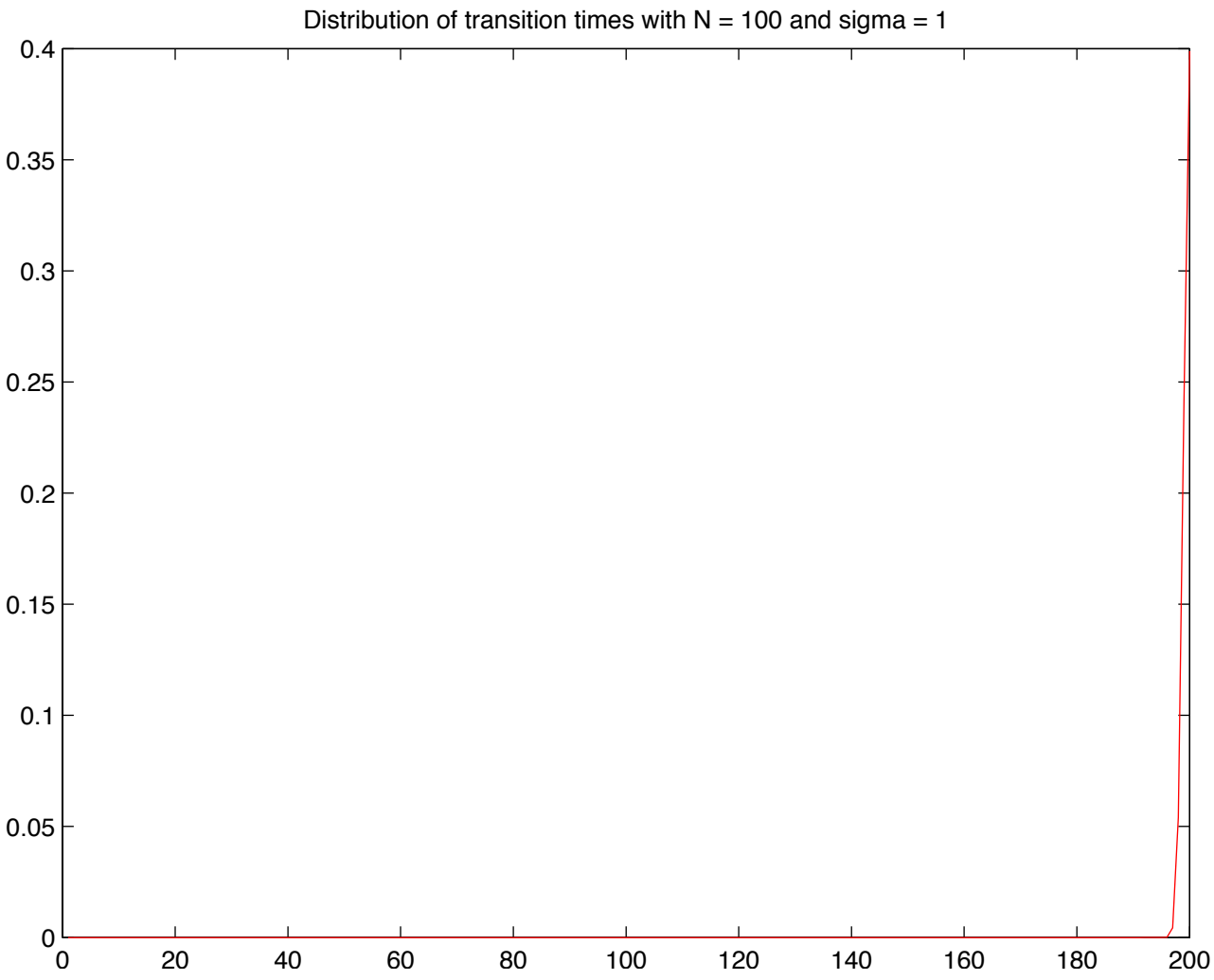

Individual run with N = 100 and sigma = 0.75 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

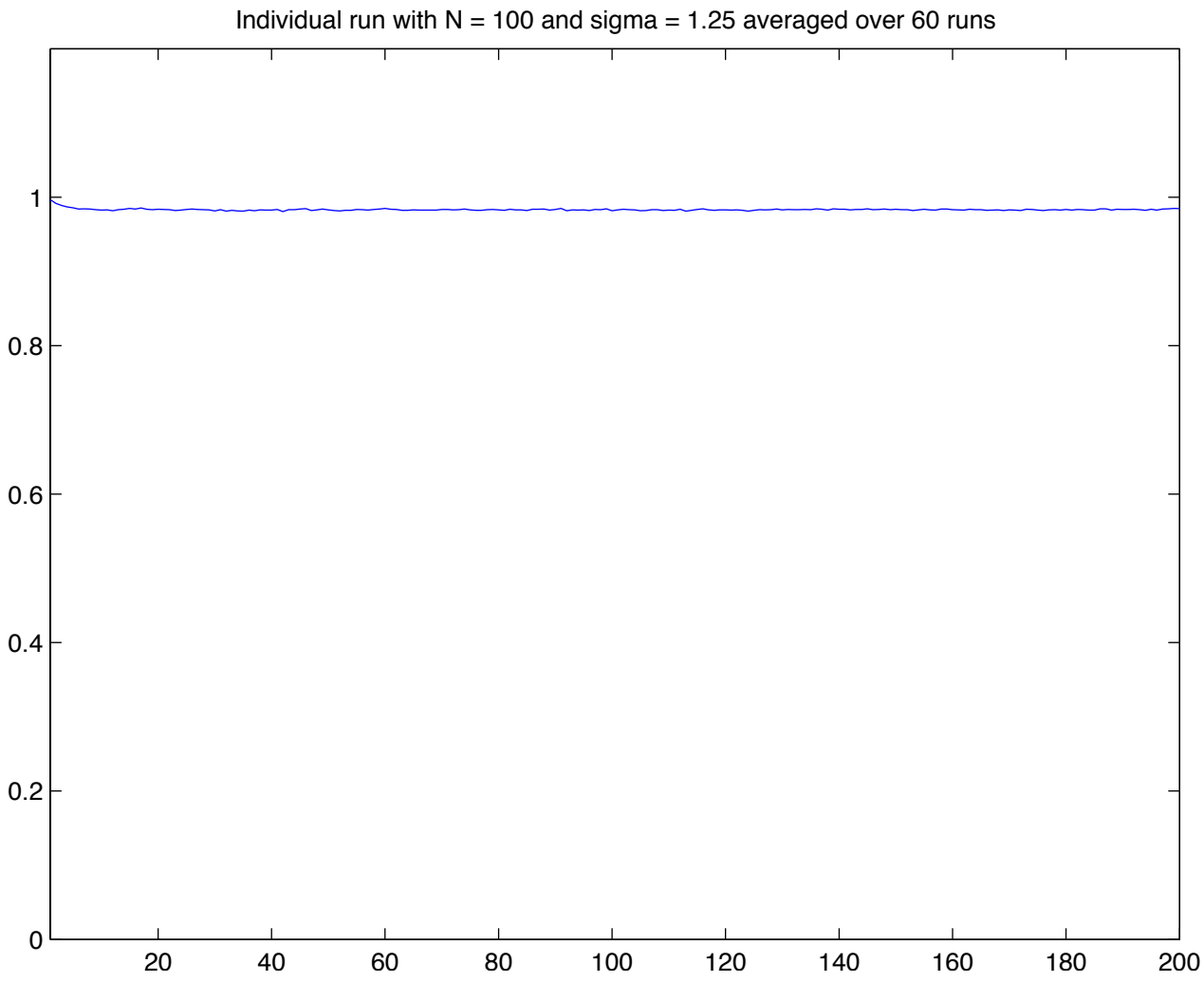

Histogram of end velocity with N = 100 and sigma = 0.75
60
50
40
30
20
10
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

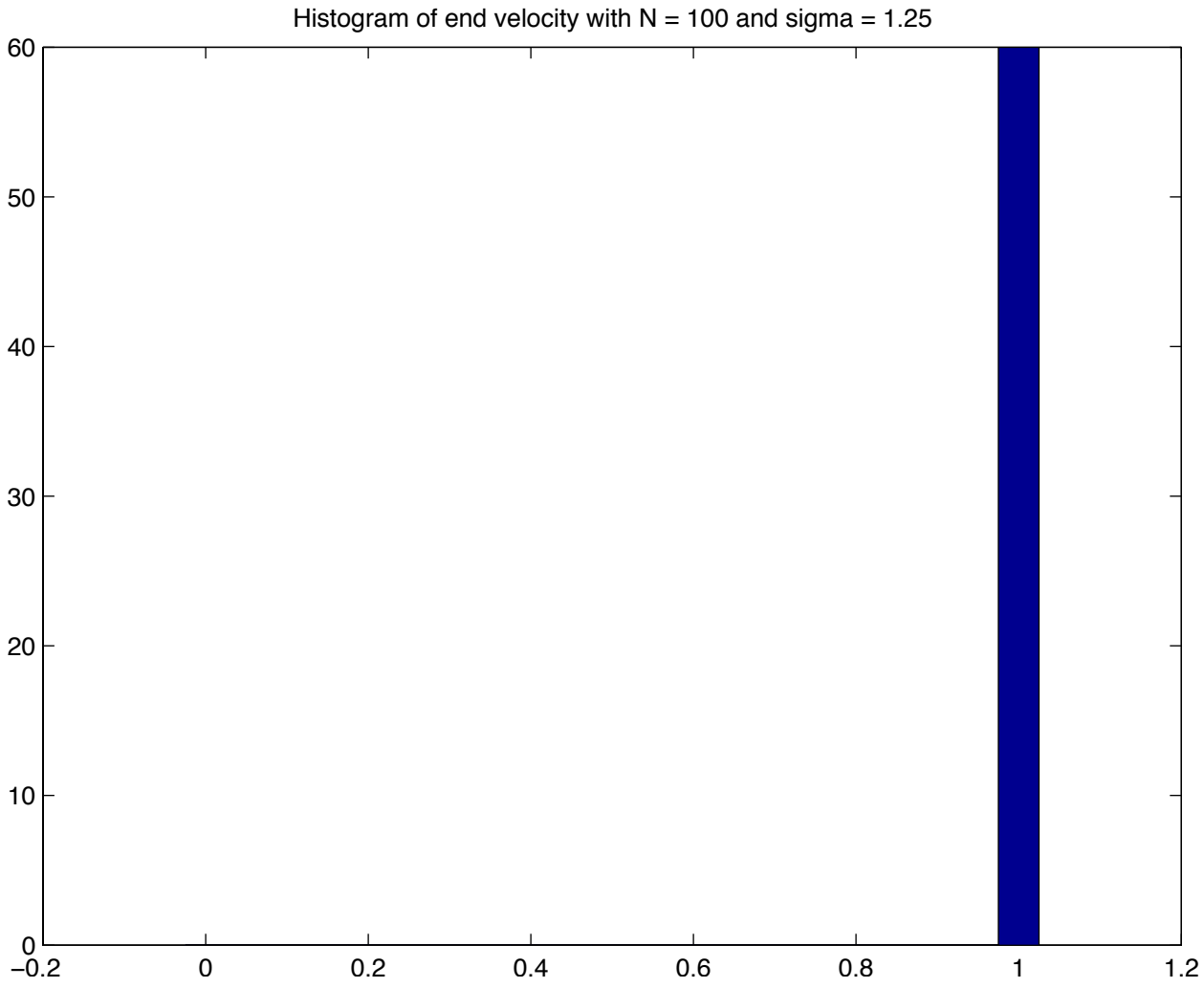

Distribution of transition times with N = 100 and sigma = 0.75
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100
120
140
160
180
200

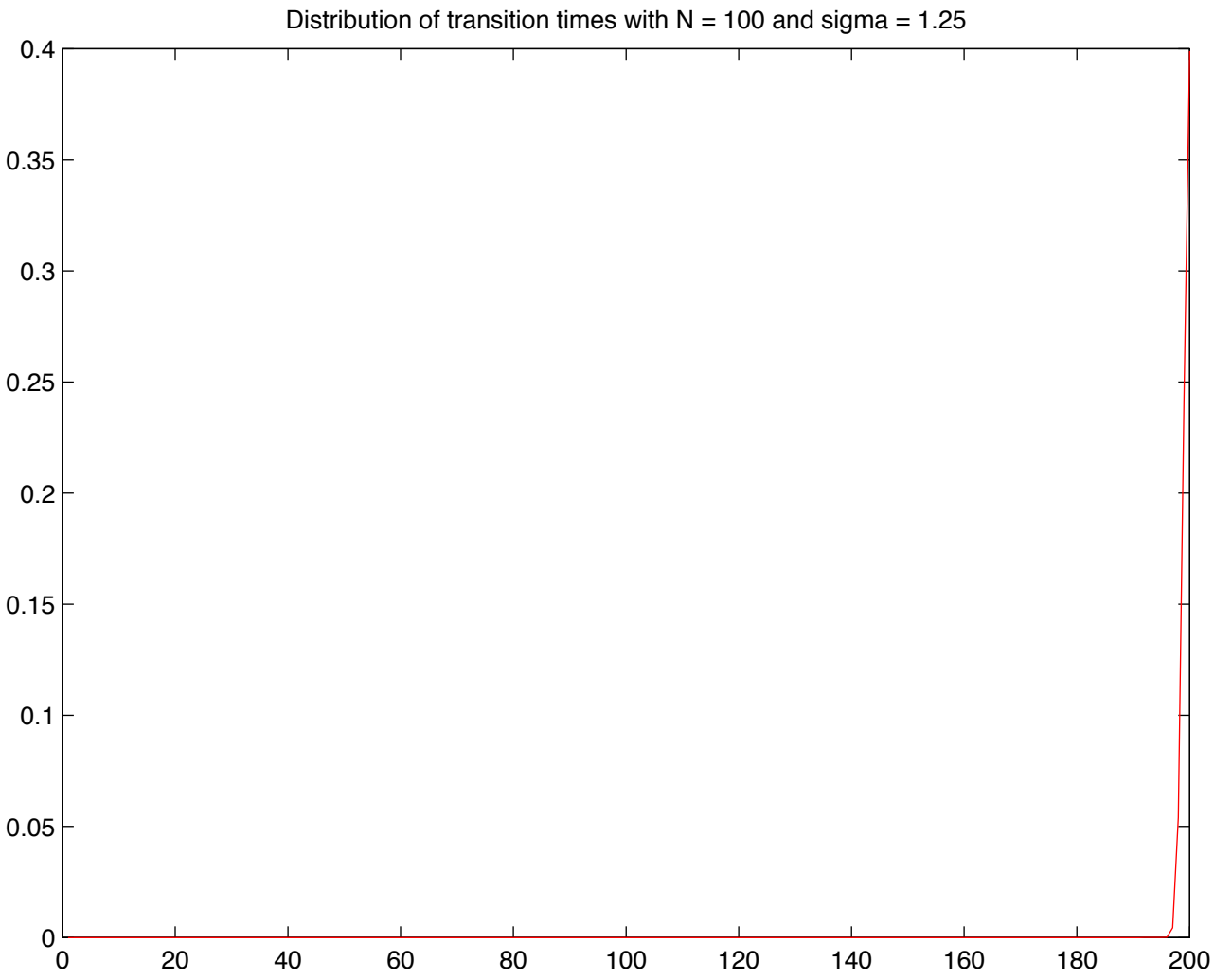

Individual run with N = 100 and sigma = 1 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

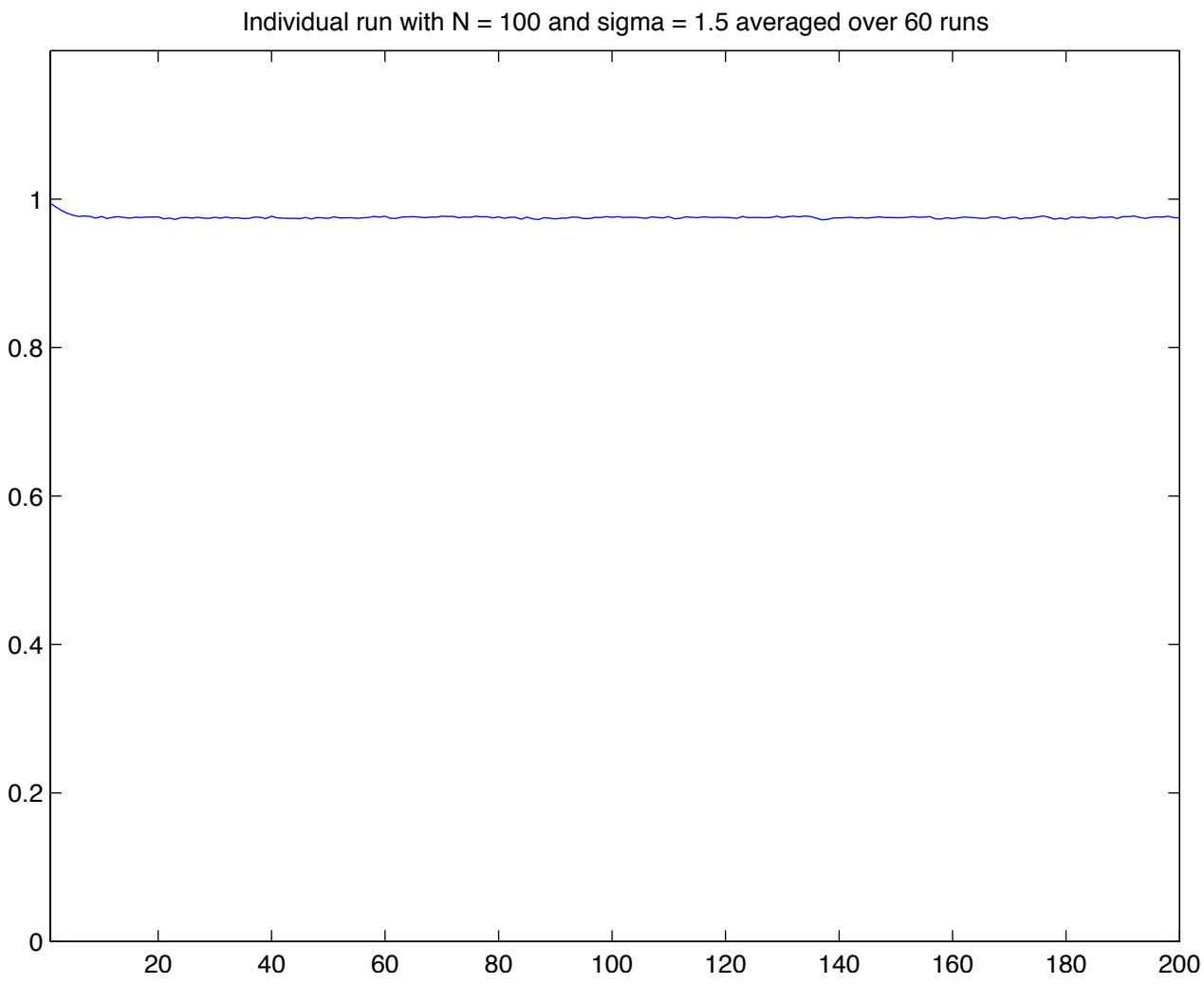

Histogram of end velocity with N = 100 and sigma = 1
60
50
40
30
20
10
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

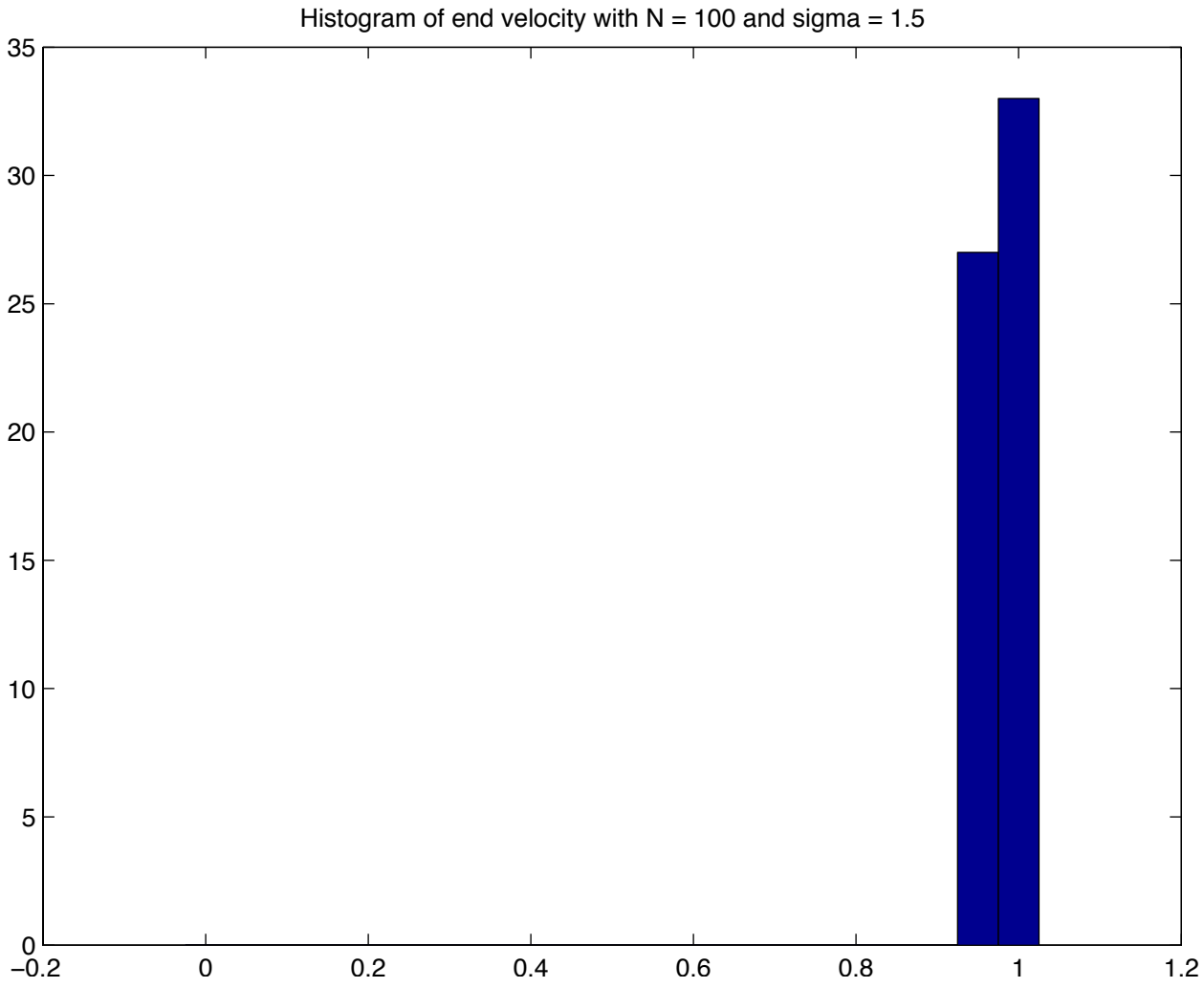

Distribution of transition times with N = 100 and sigma = 1
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100
120
140
160
180
200

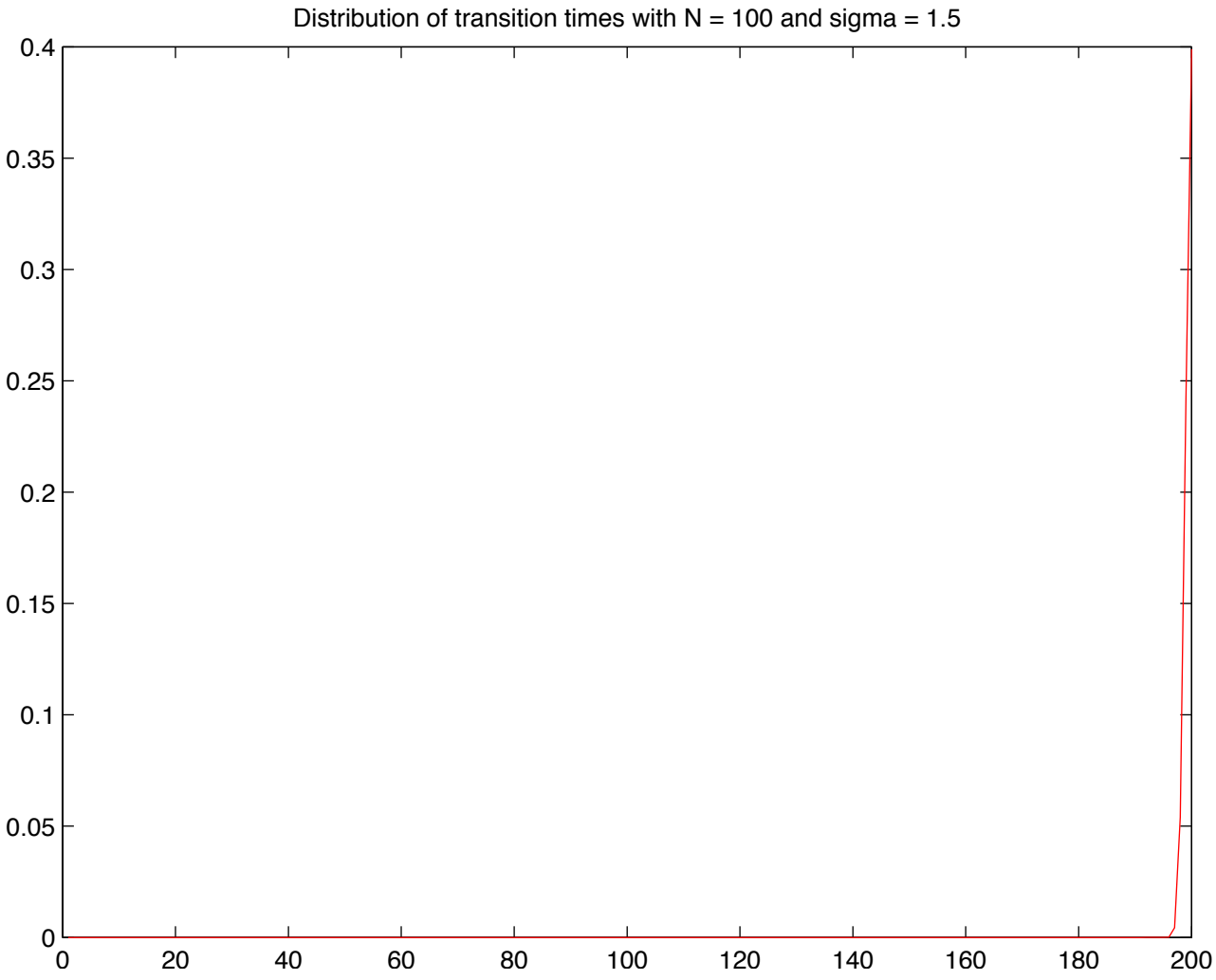

Individual run with N = 100 and sigma = 1.25 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

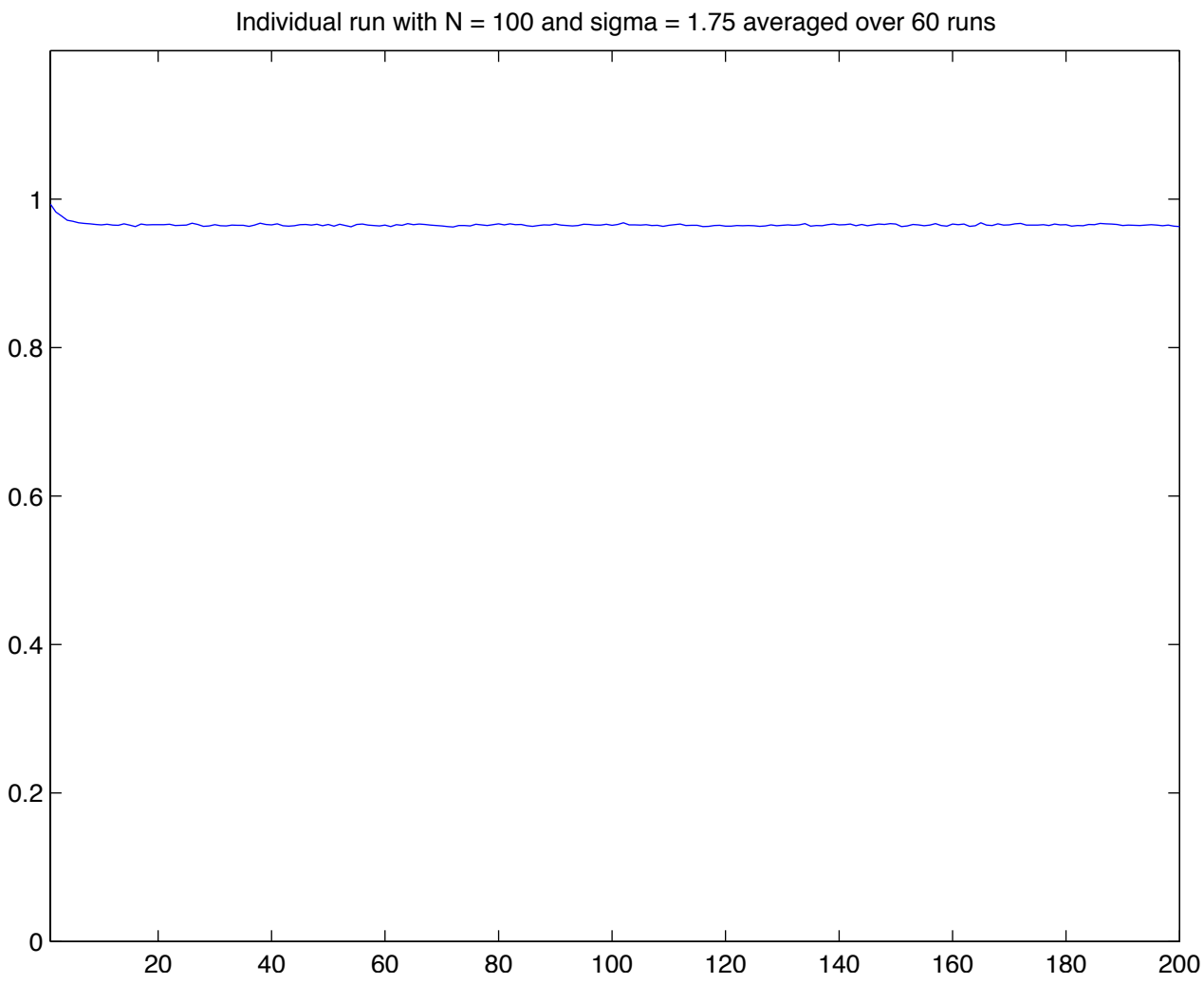

Histogram of end velocity with N = 100 and sigma = 1.25
60
50
40
30
20
10
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

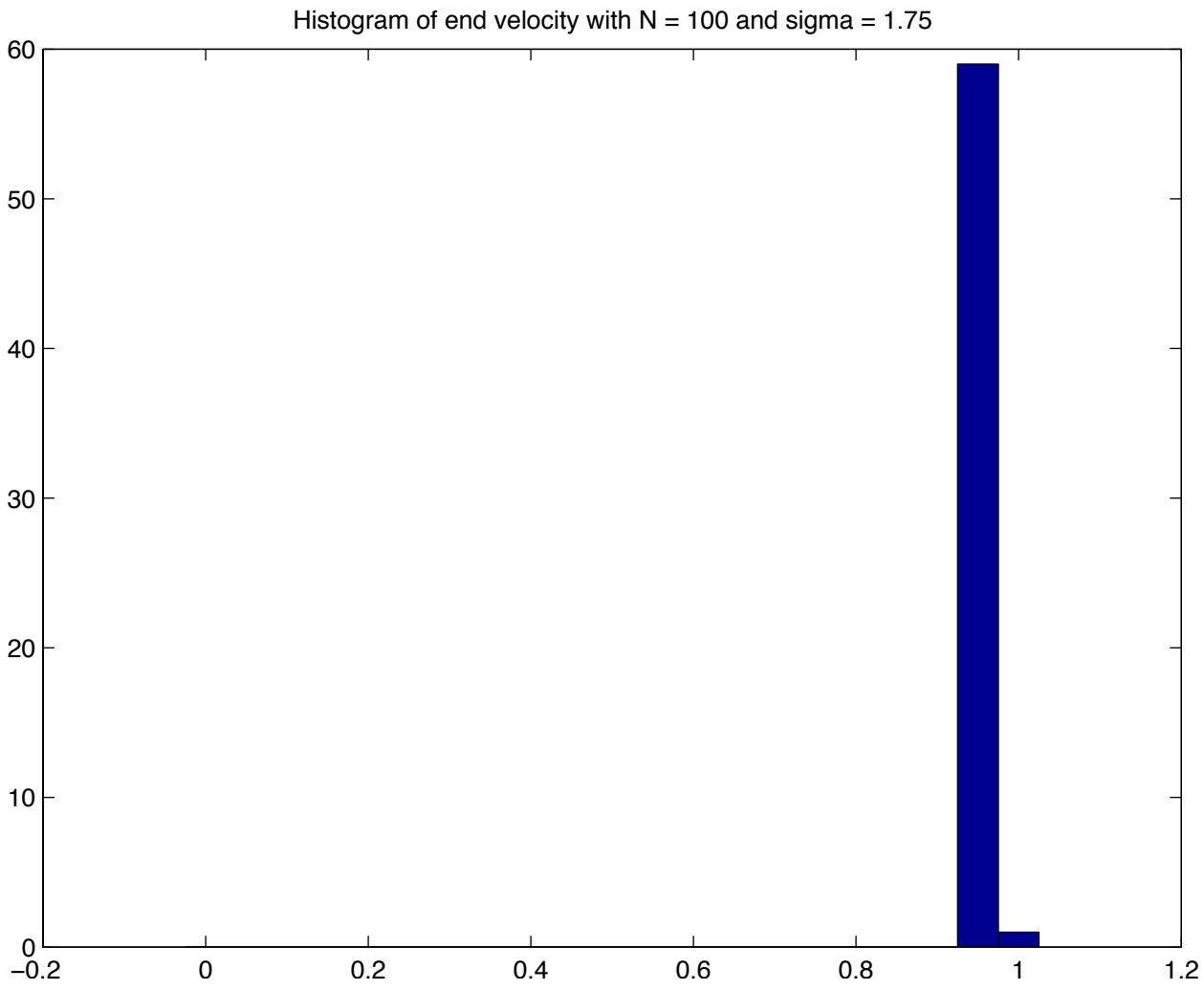

Distribution of transition times with N = 100 and sigma = 1.25
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100
120
140
160
180
200

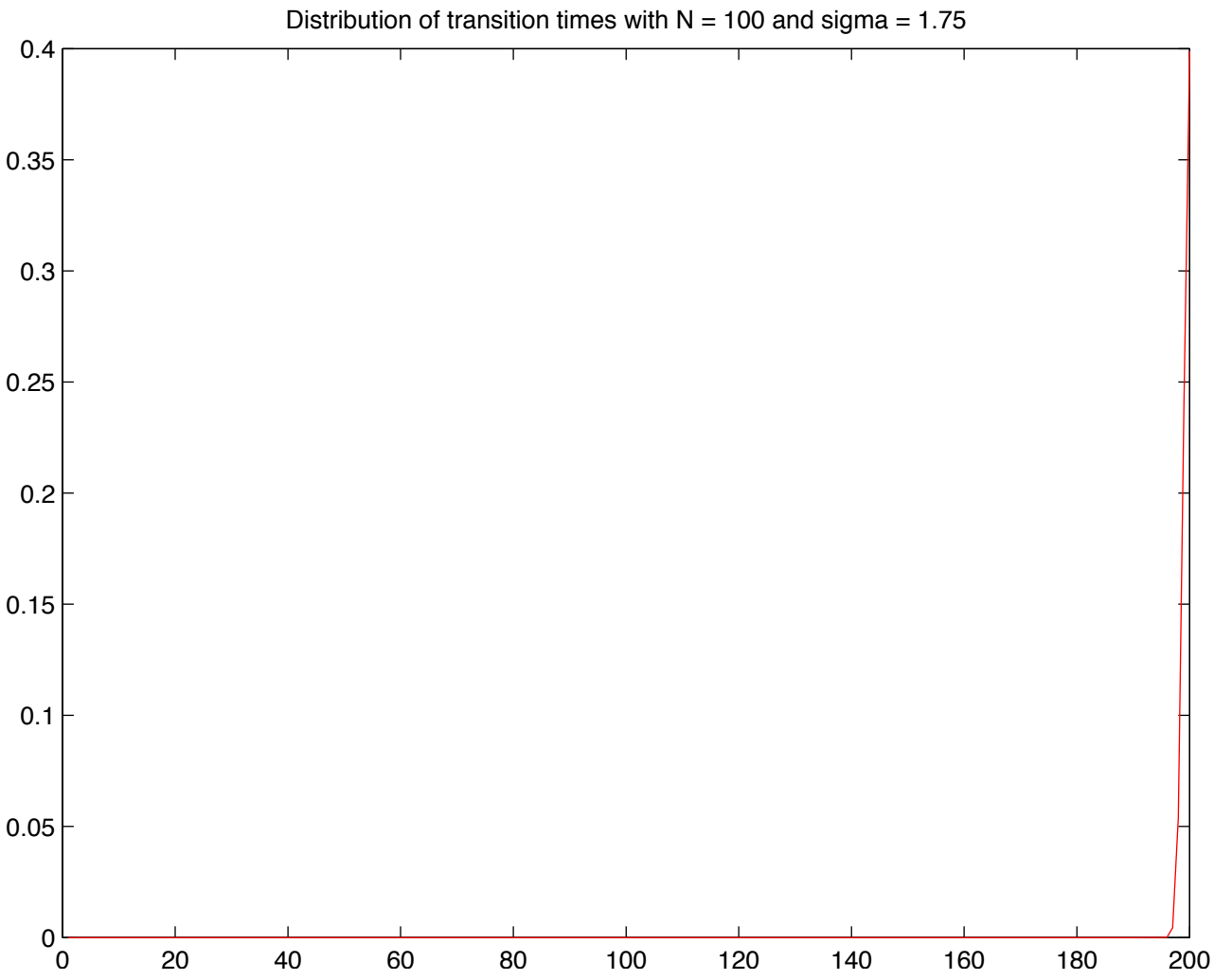

Individual run with N = 100 and sigma = 1.5 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

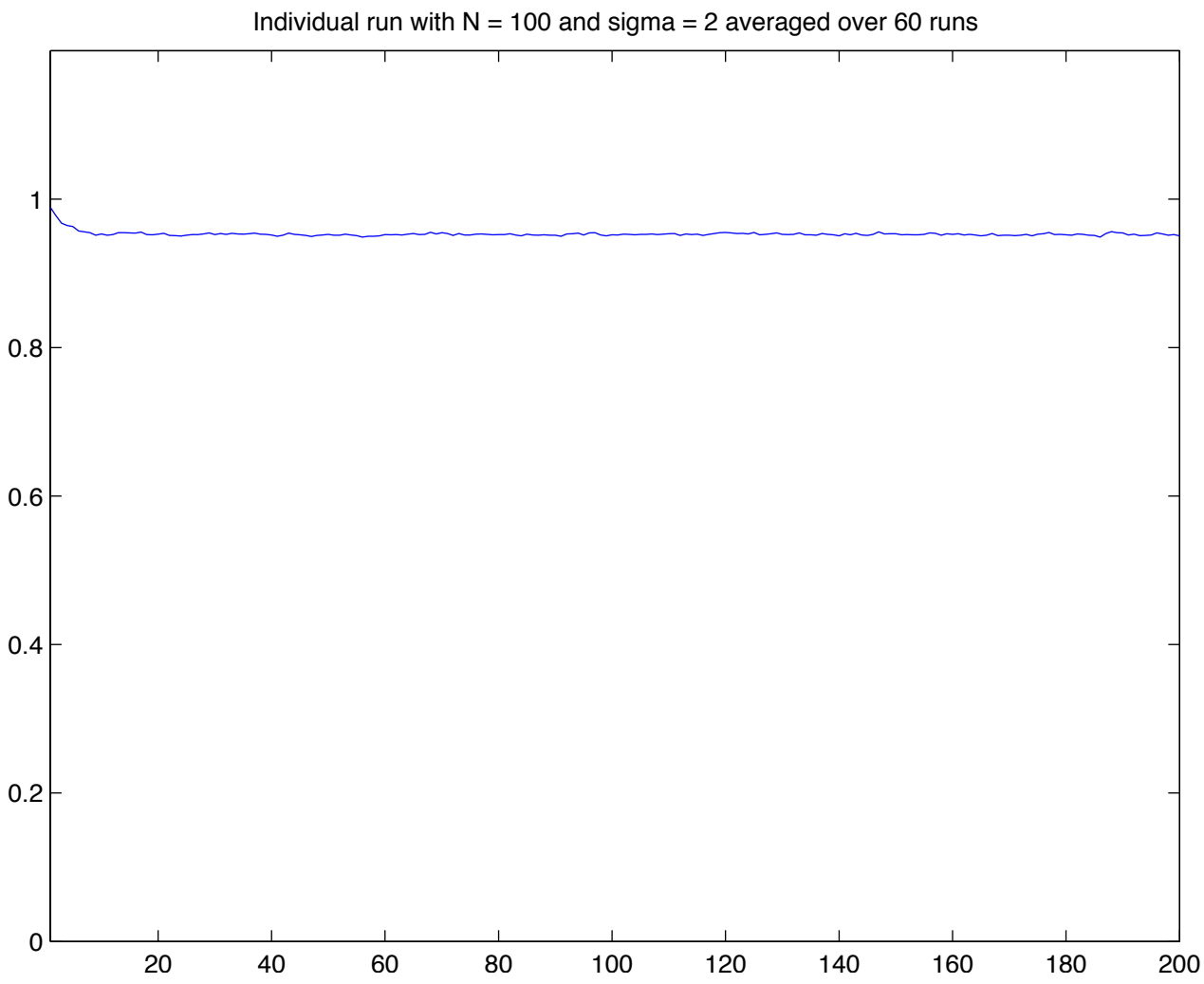

Histogram of end velocity with N = 100 and sigma = 1.5
35
30
25
20
15
10
5
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

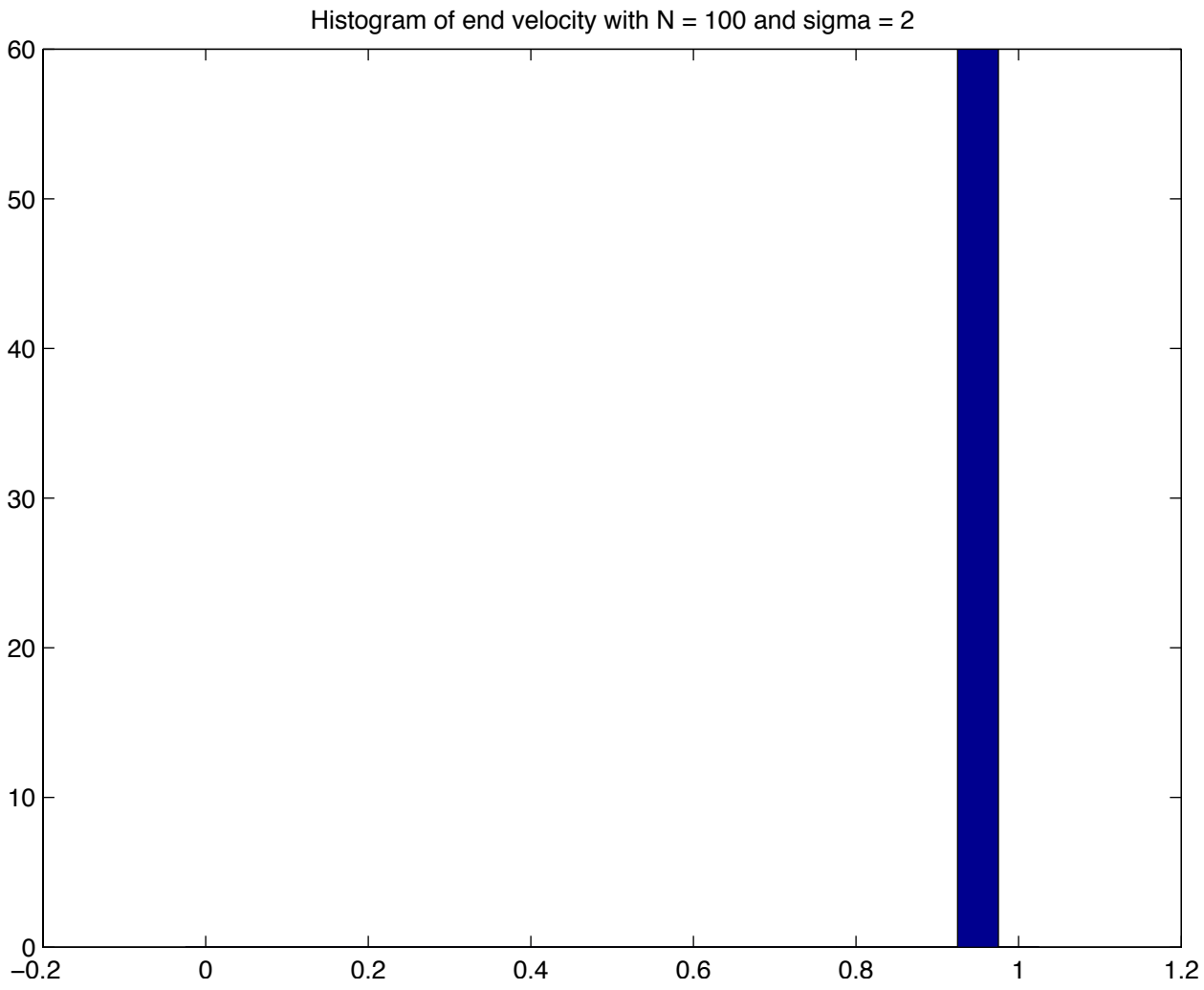

Distribution of transition times with N = 100 and sigma = 1.5
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100
120
140
160
180
200

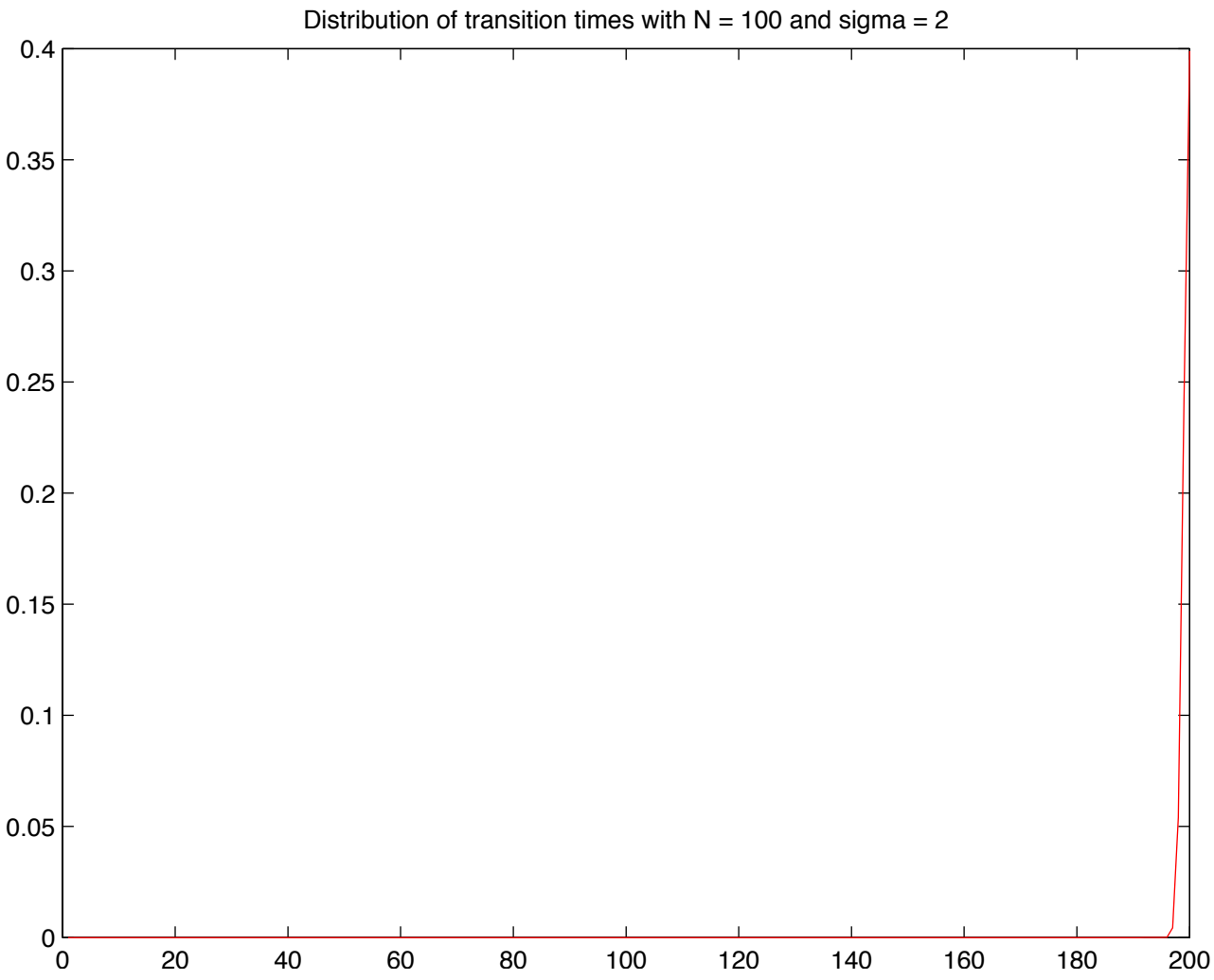

Individual run with N = 100 and sigma = 1.75 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

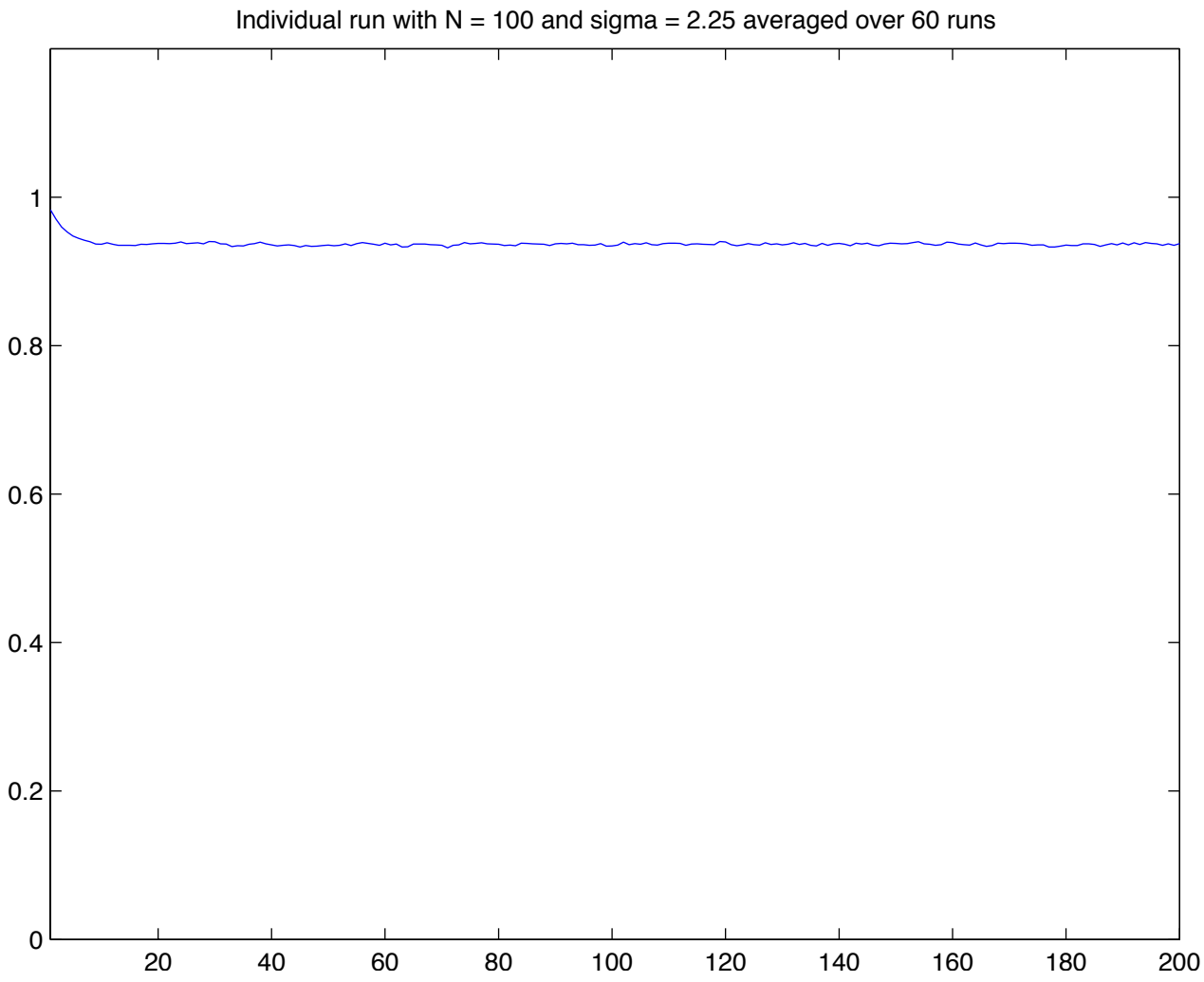

Histogram of end velocity with N = 100 and sigma = 1.75
60
50
40
30
20
10
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

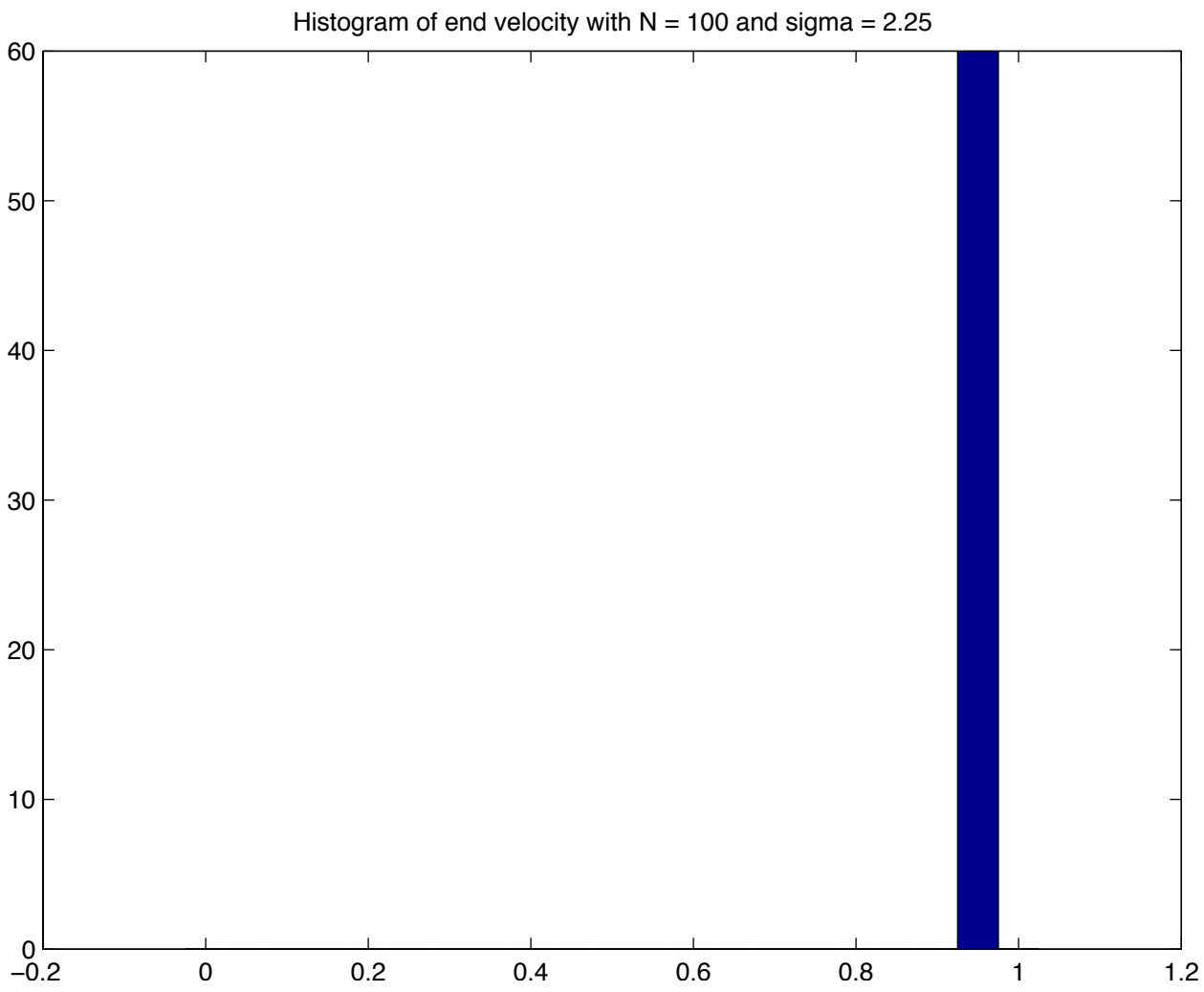

Distribution of transition times with N = 100 and sigma = 1.75
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100
120
140
160
180
200

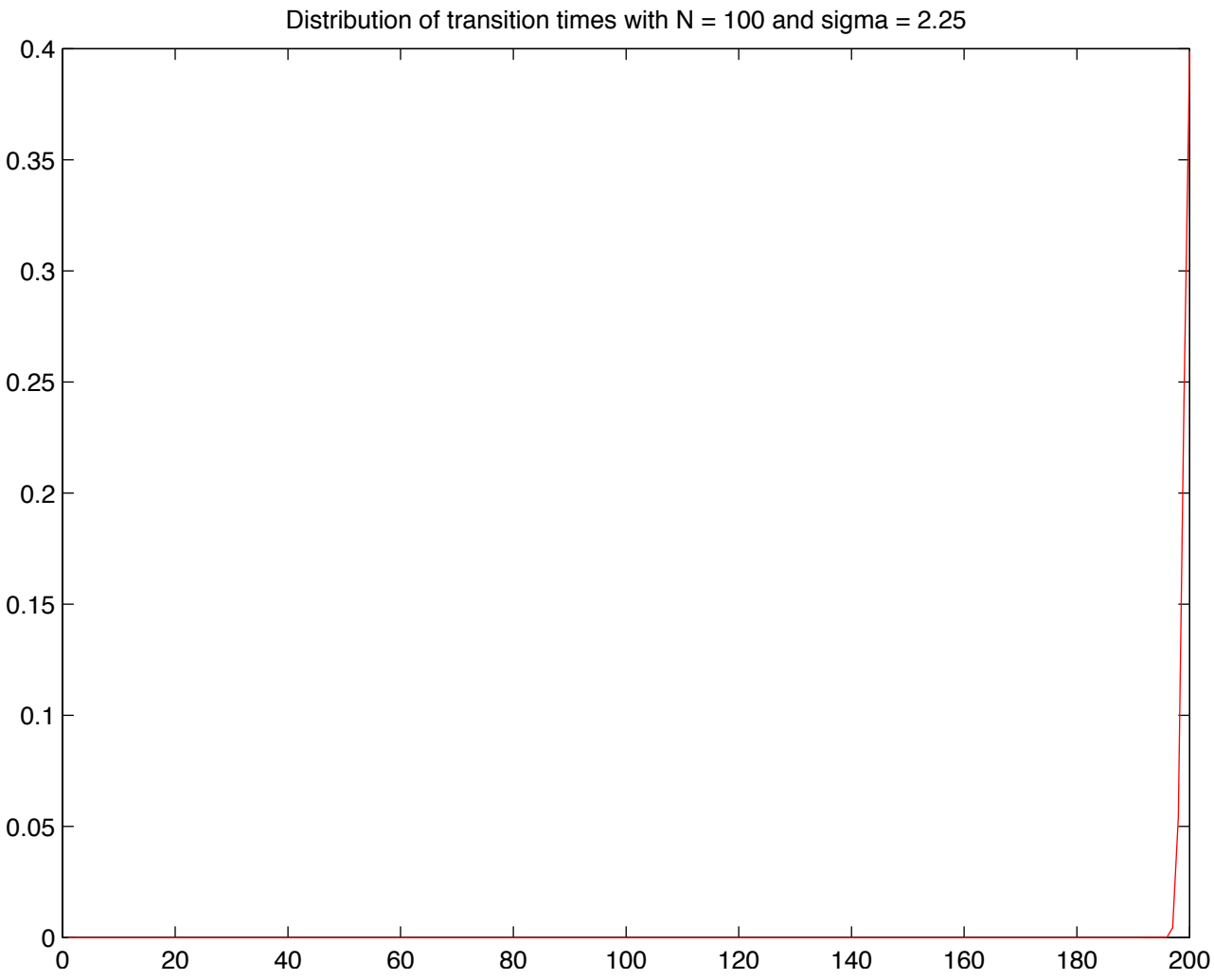

Individual run with N = 100 and sigma = 2 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

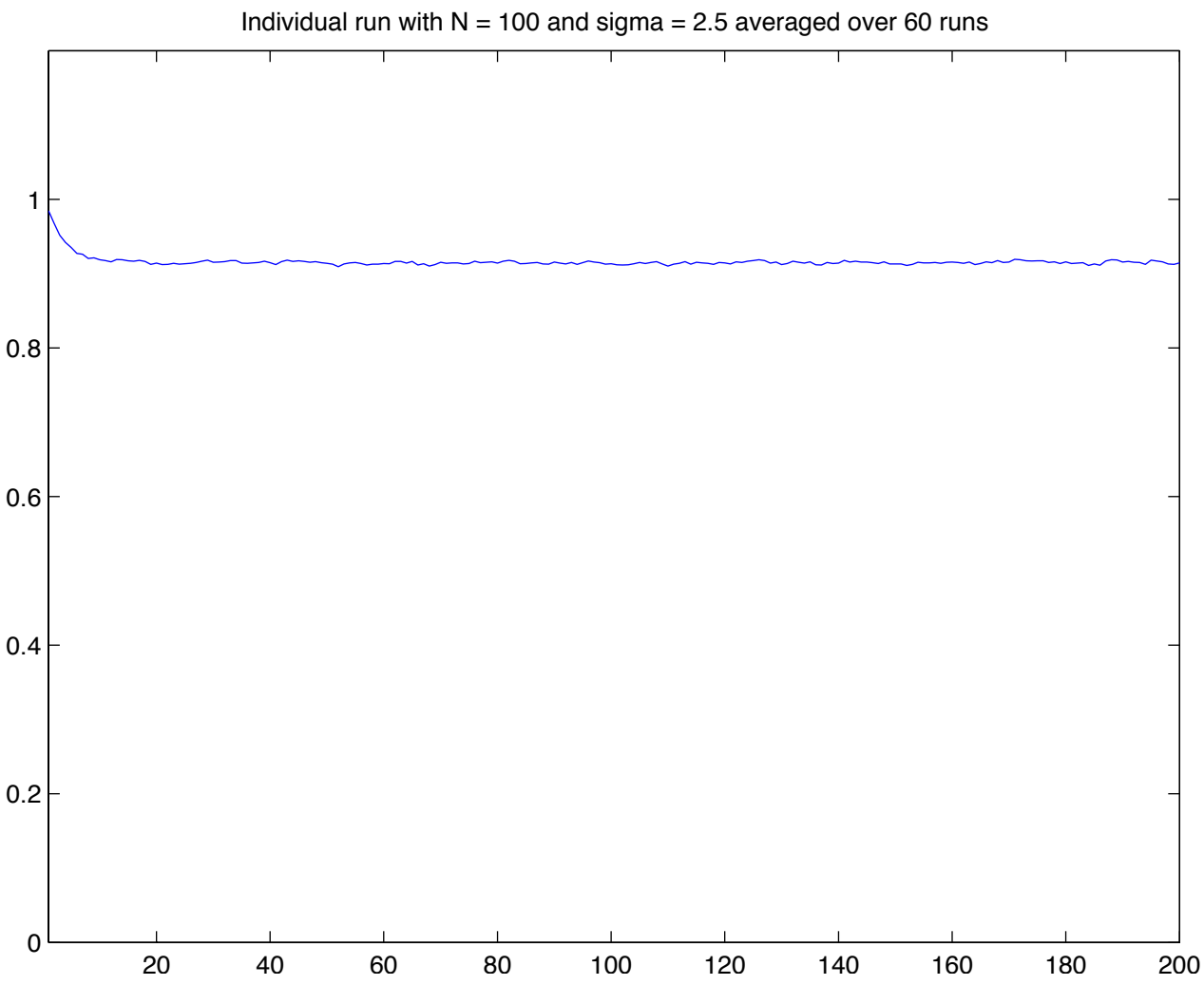

Histogram of end velocity with N = 100 and sigma = 2
60
50
40
30
20
10
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

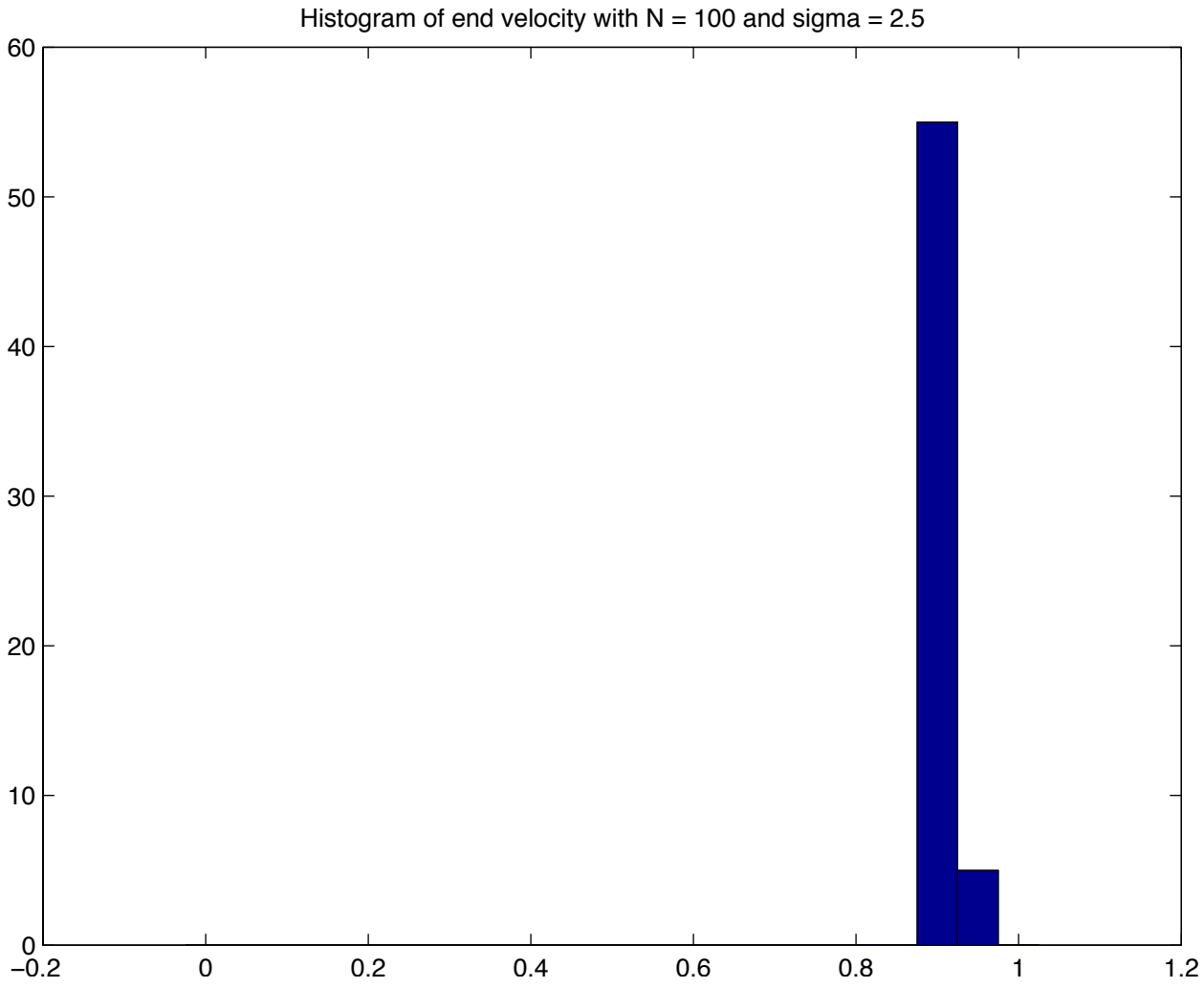

Distribution of transition times with N = 100 and sigma = 2
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100
120
140
160
180
200

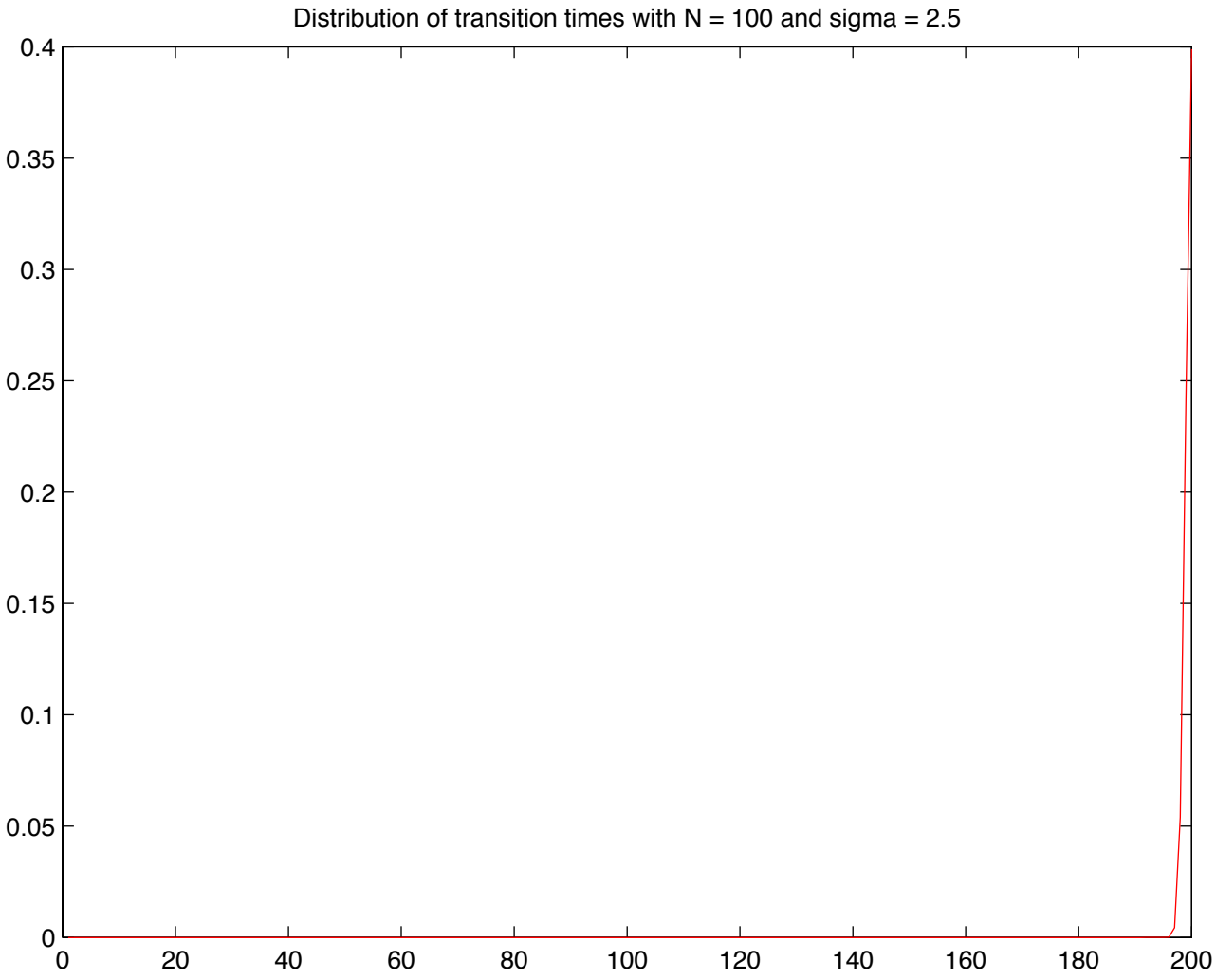

Individual run with N = 100 and sigma = 2.25 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

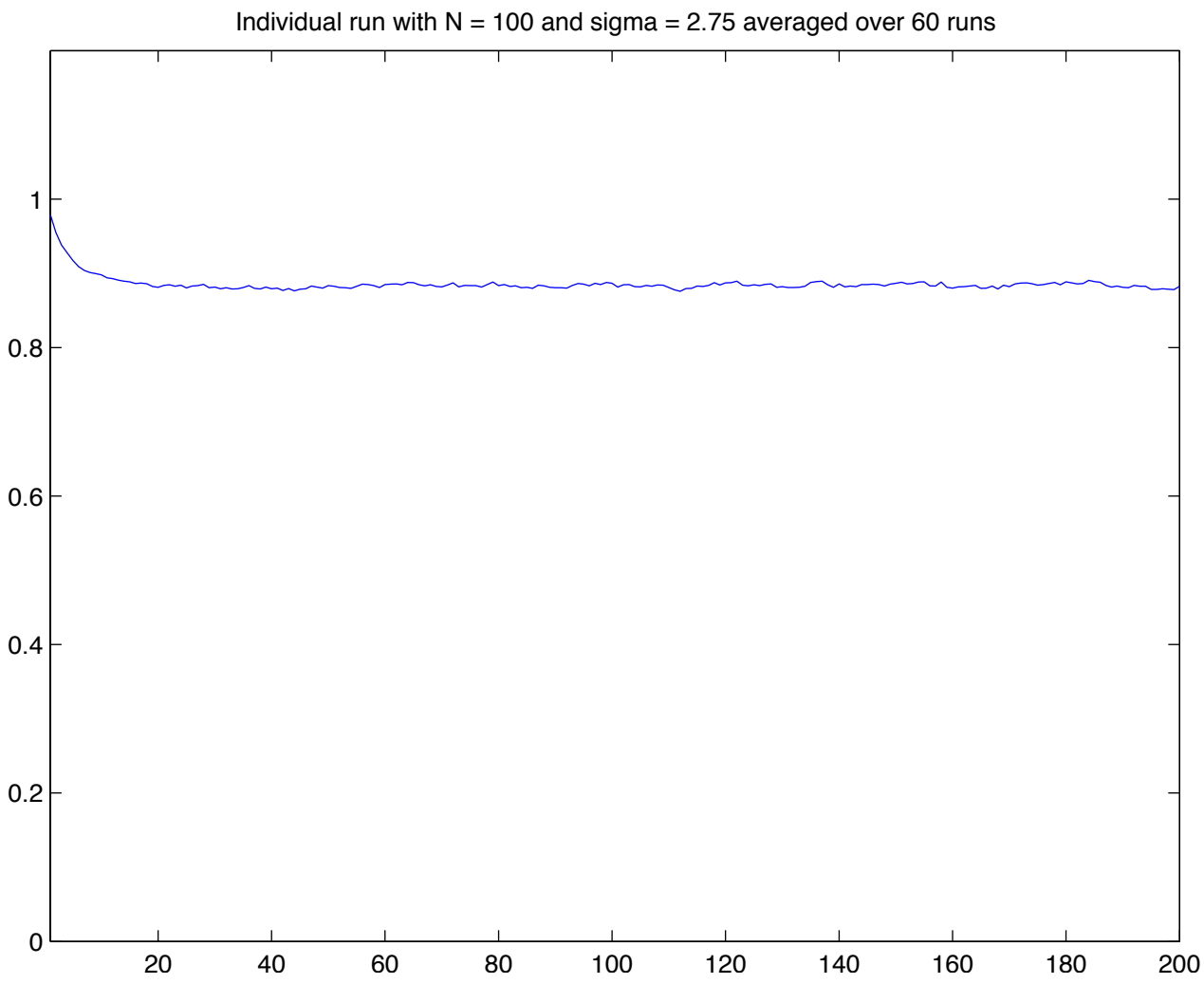

Histogram of end velocity with N = 100 and sigma = 2.25
60
50
40
30
20
10
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

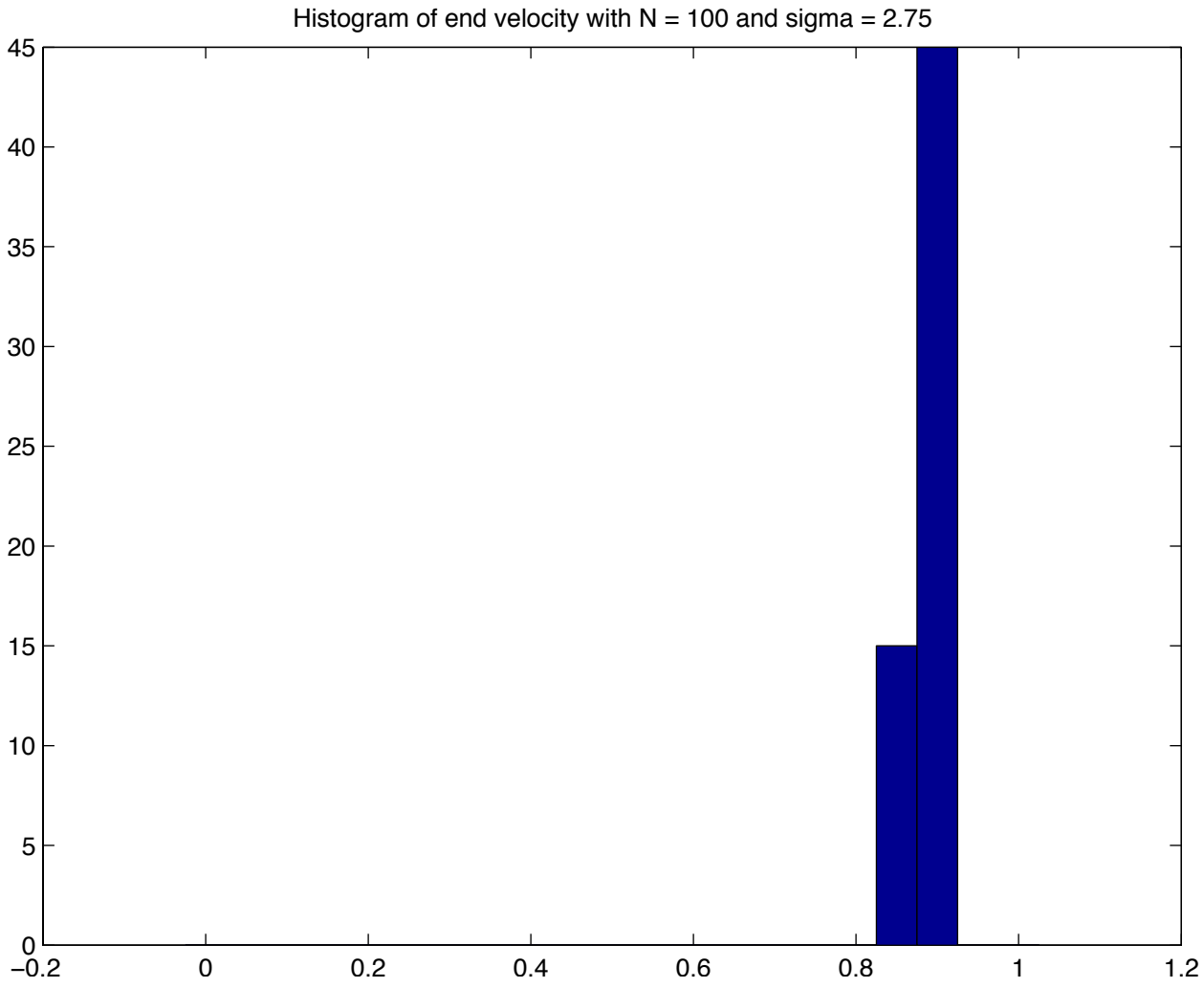

Distribution of transition times with N = 100 and sigma = 2.25
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100
120
140
160
180
200

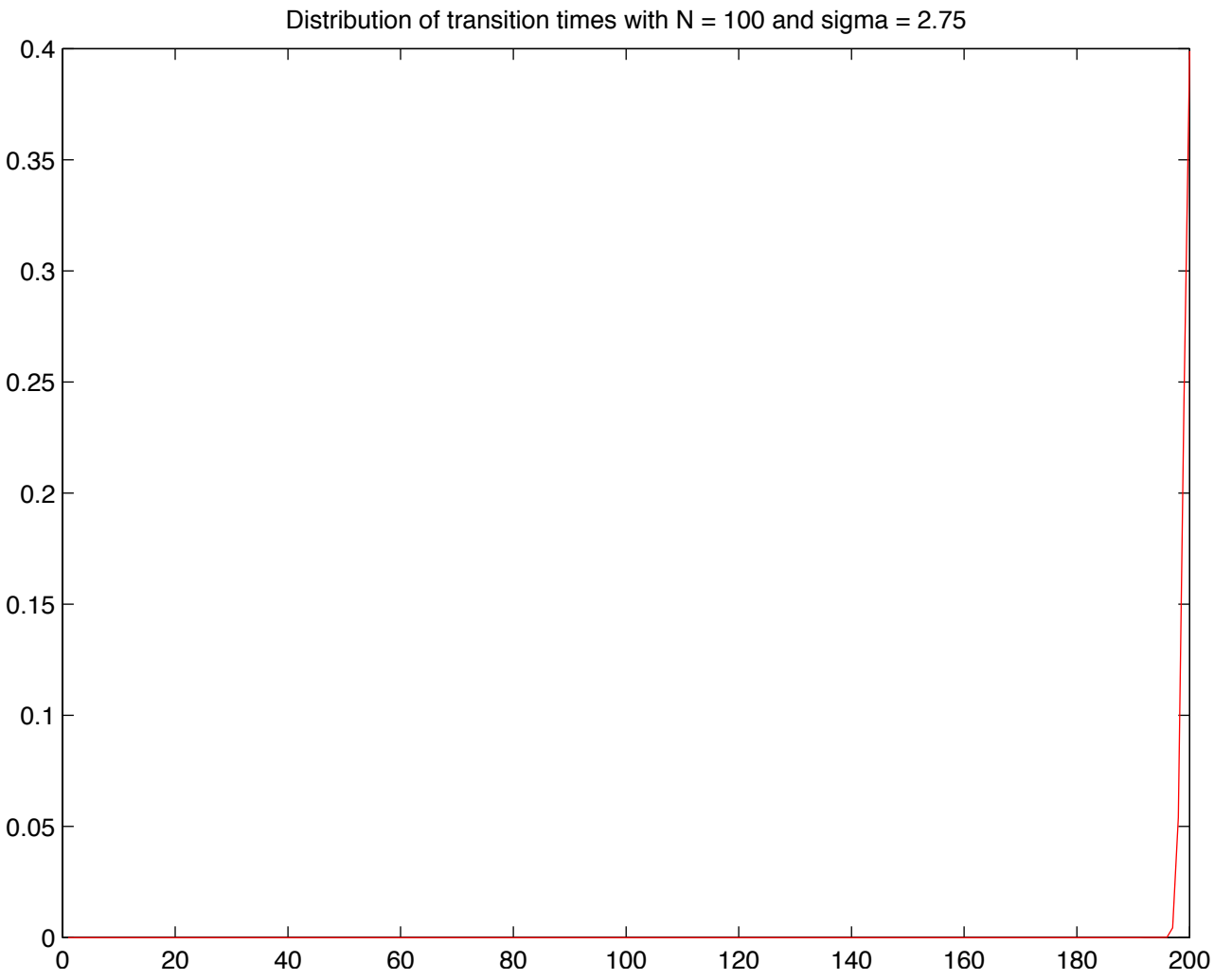

Individual run with N = 100 and sigma = 2.5 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

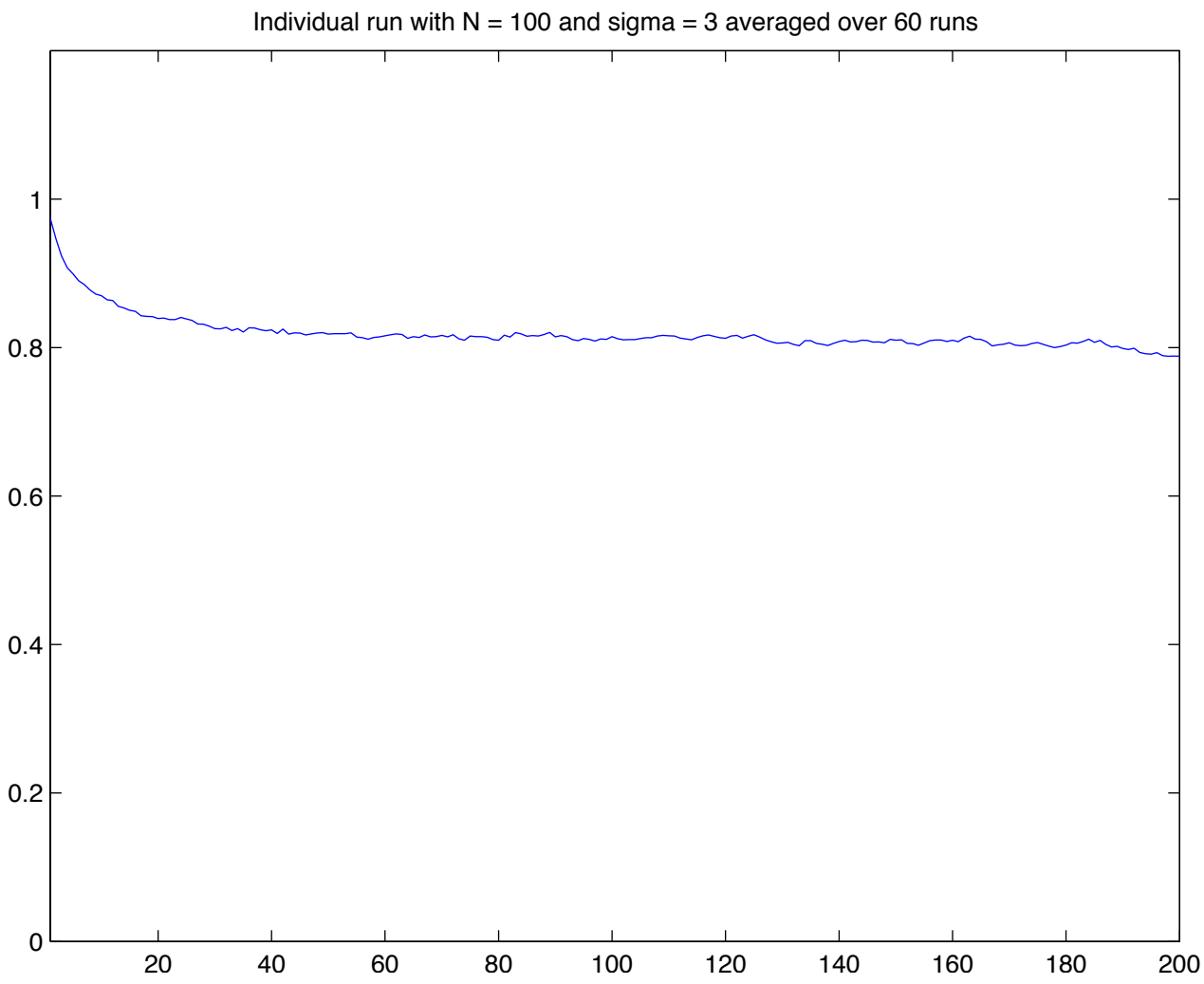

Histogram of end velocity with N = 100 and sigma = 2.5
60
50
40
30
20
10
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

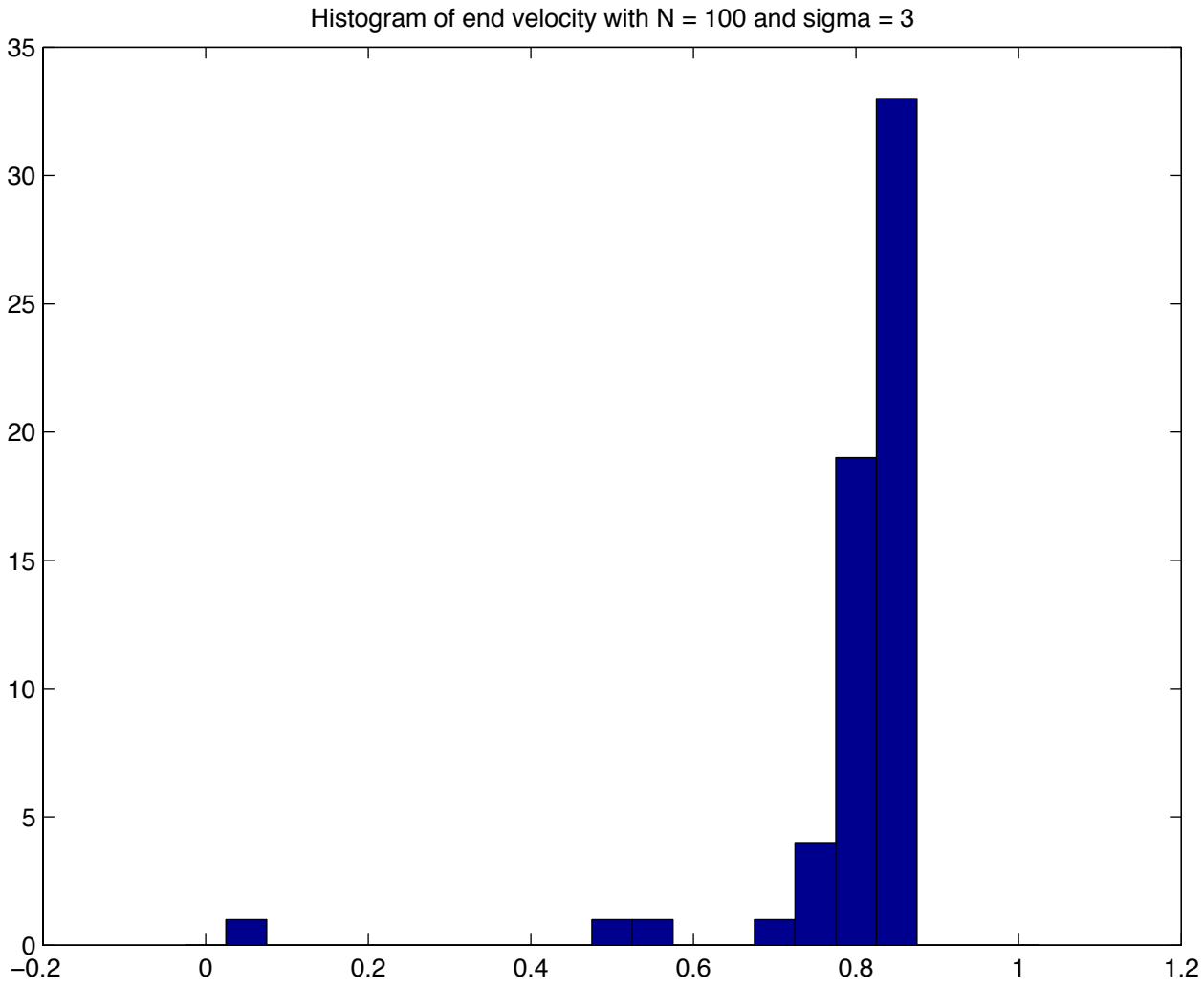

Distribution of transition times with N = 100 and sigma = 2.5
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100
120
140
160
180
200

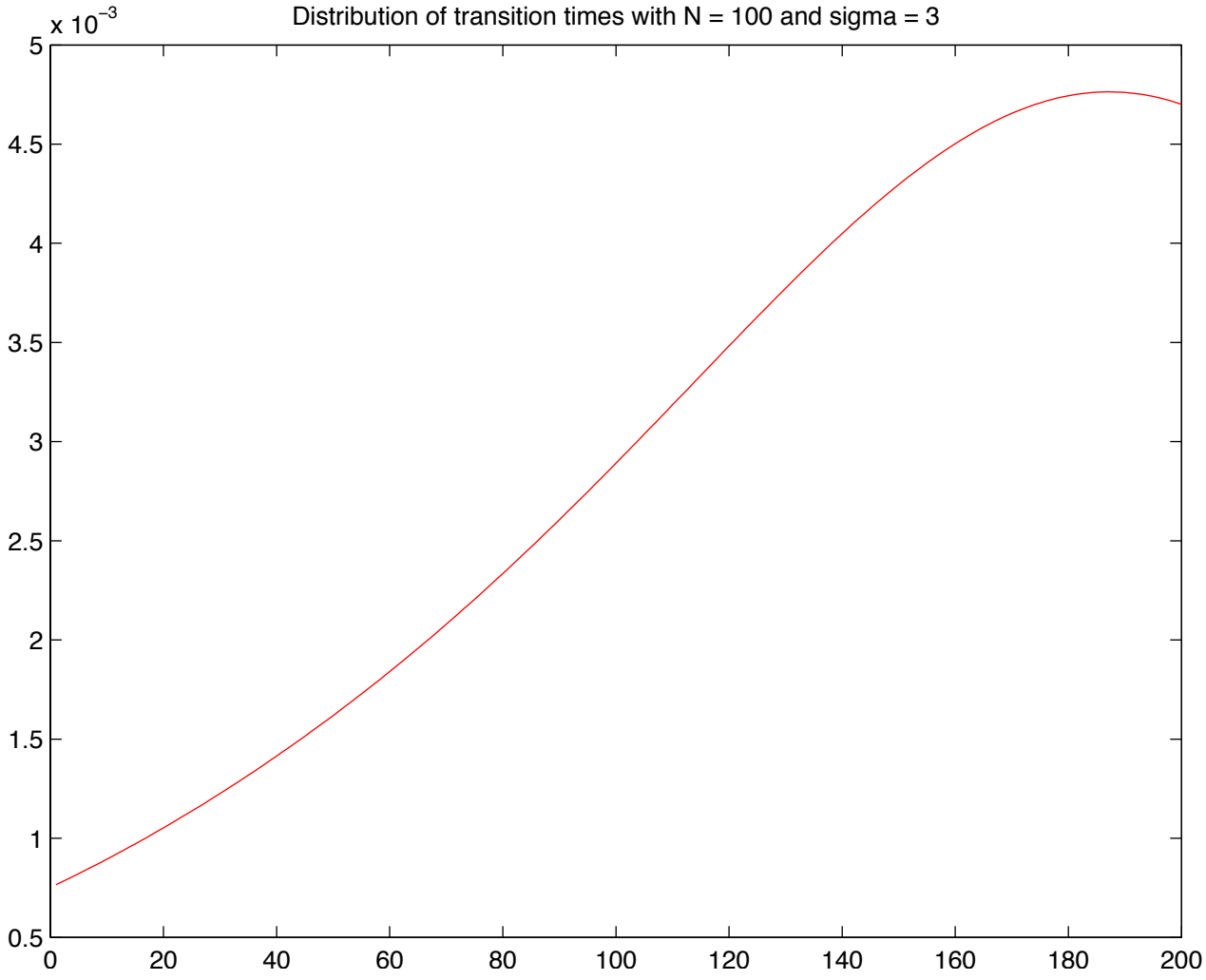

Individual run with N = 100 and sigma = 2.75 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

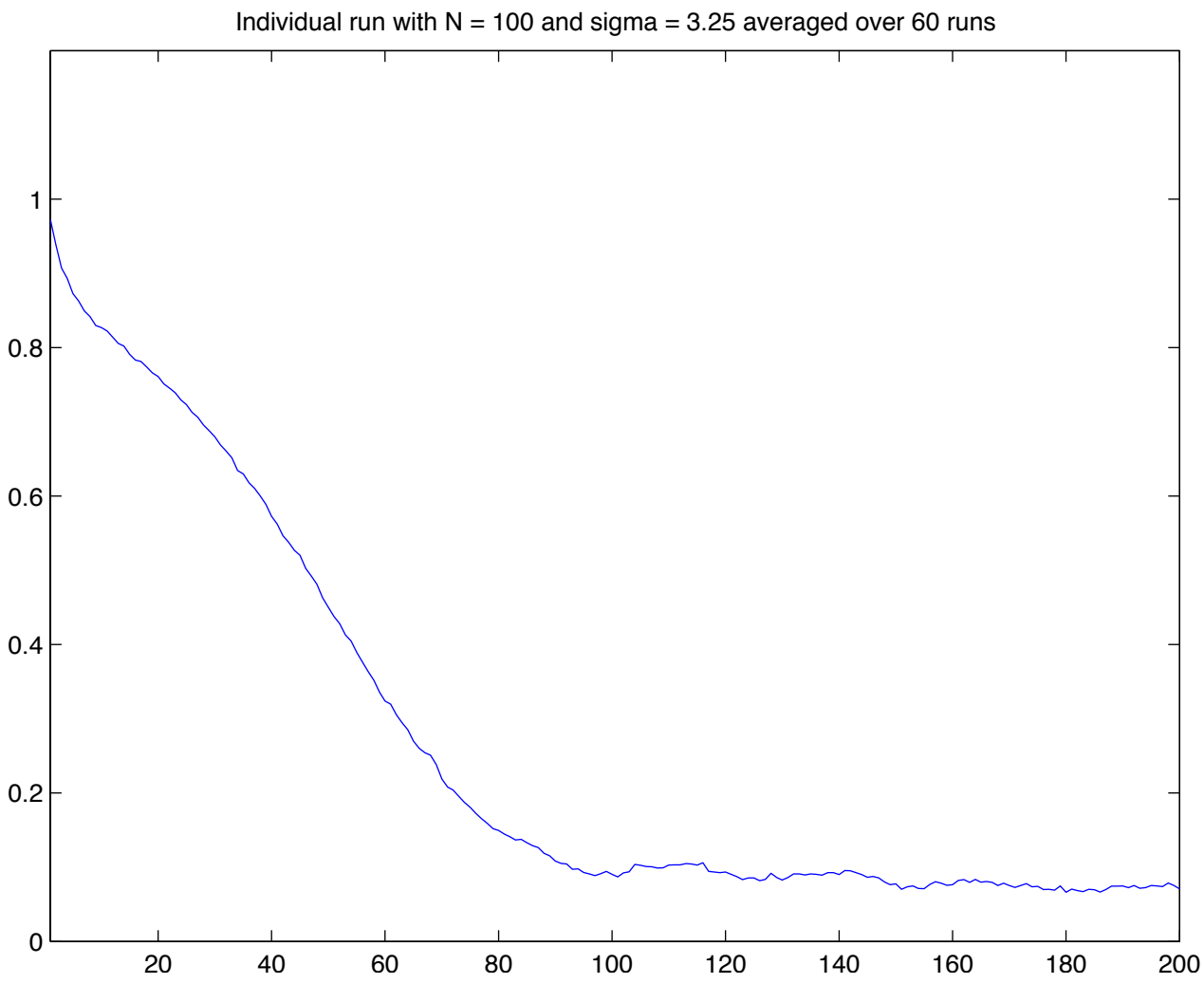

Histogram of end velocity with N = 100 and sigma = 2.75
45
40
35
30
25
20
15
10
5
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

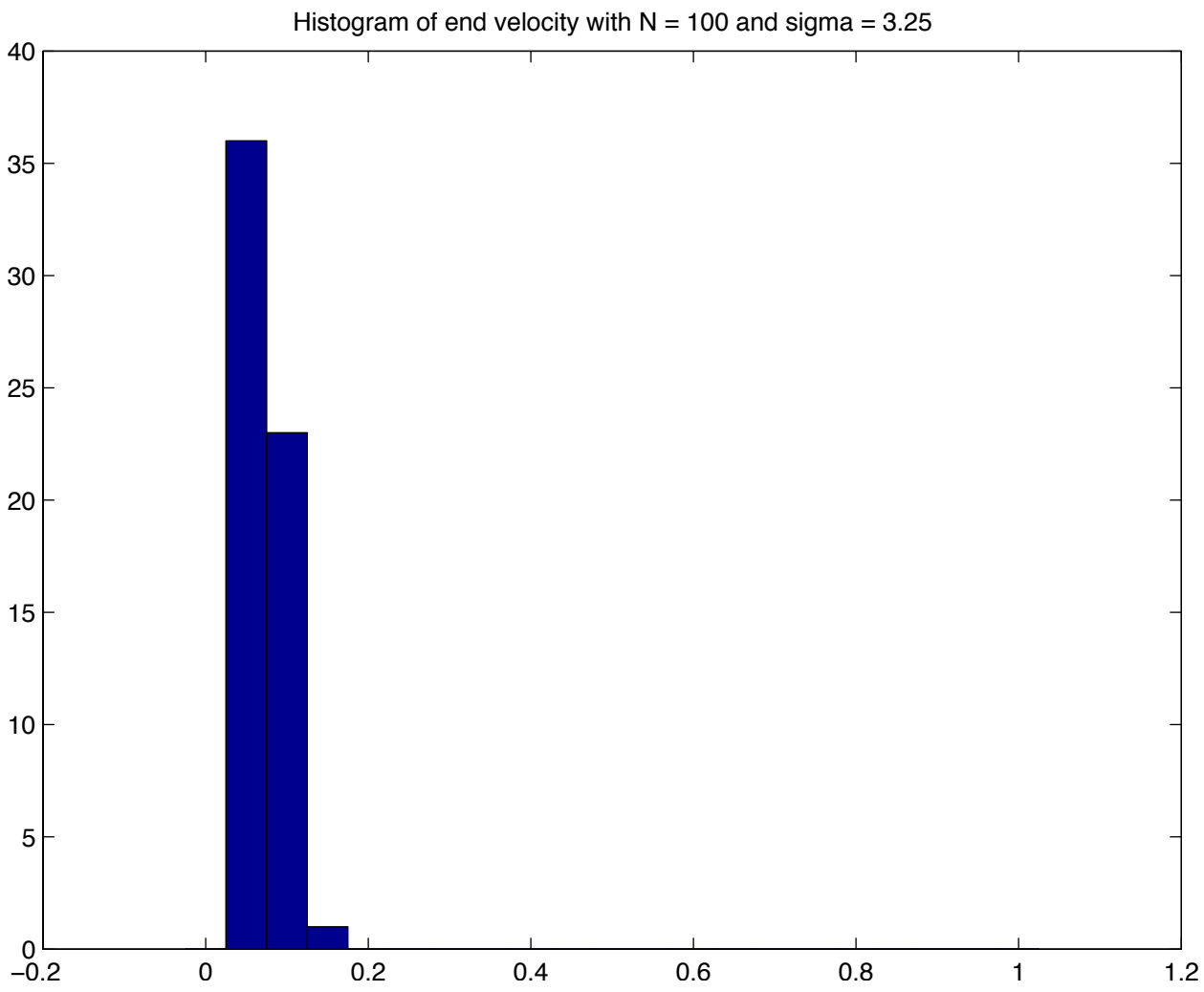

Distribution of transition times with N = 100 and sigma = 2.75
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100
120
140
160
180
200

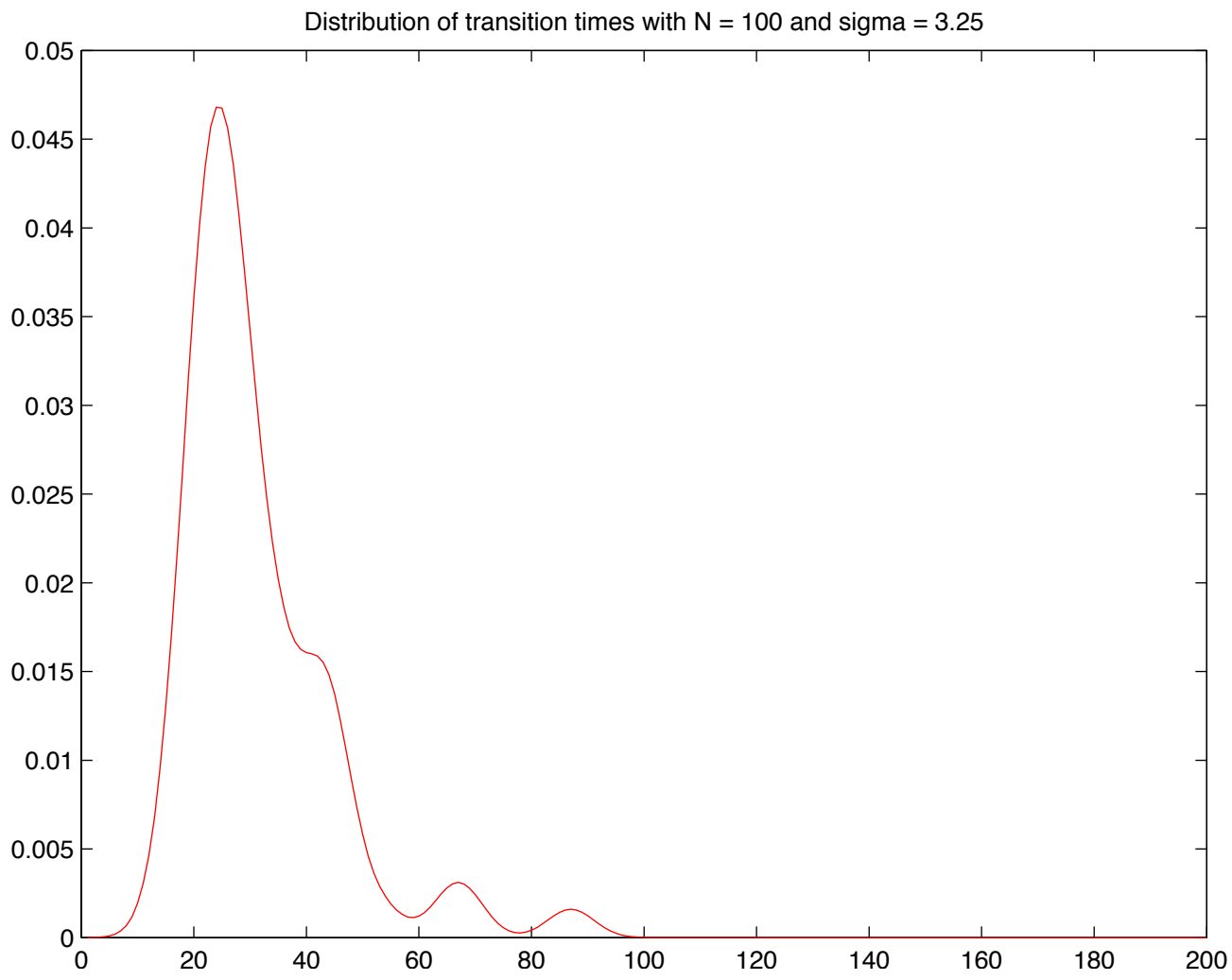

Individual run with N = 100 and sigma = 3 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

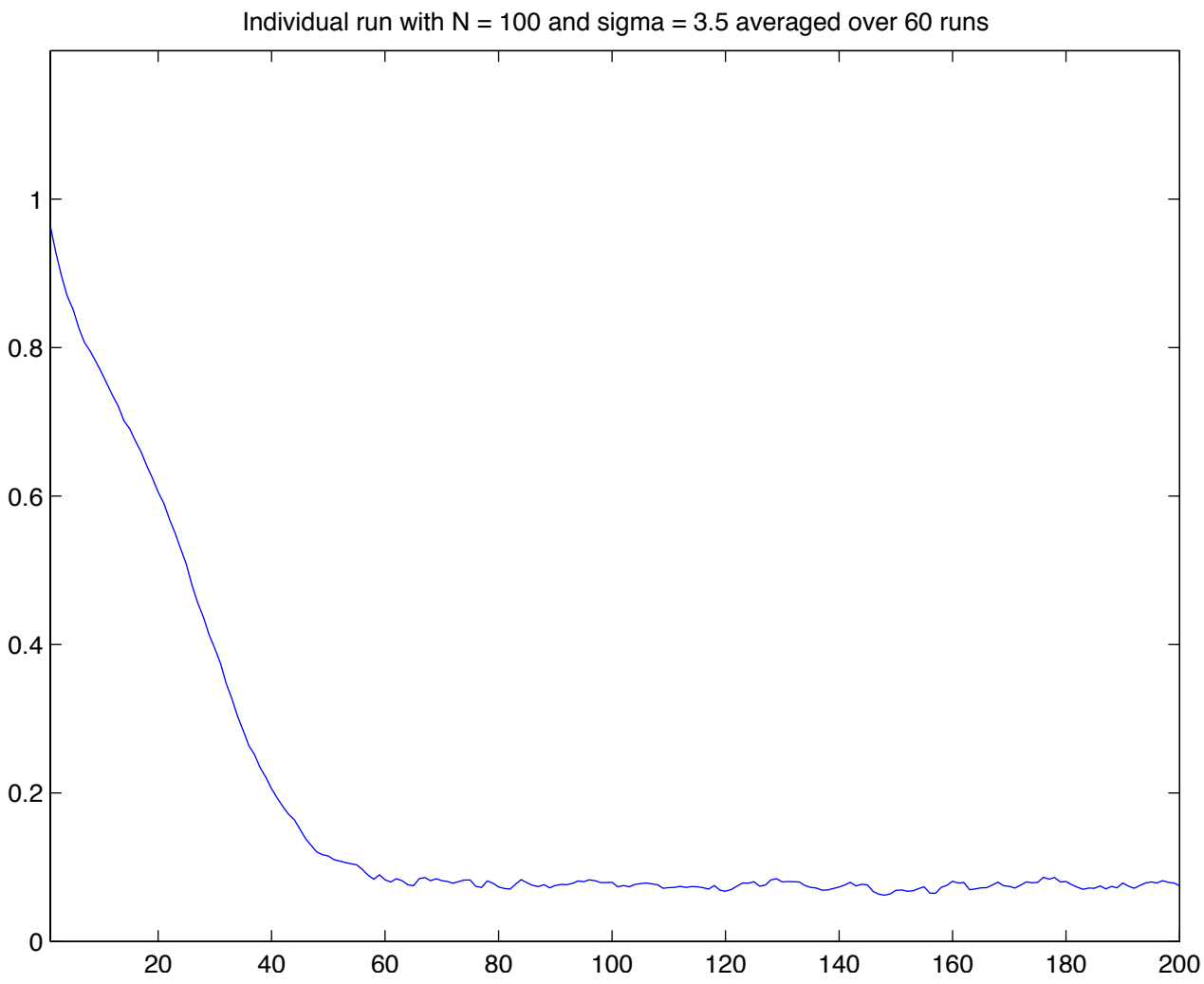

Histogram of end velocity with N = 100 and sigma = 3
35
30
25
20
15
10
5
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

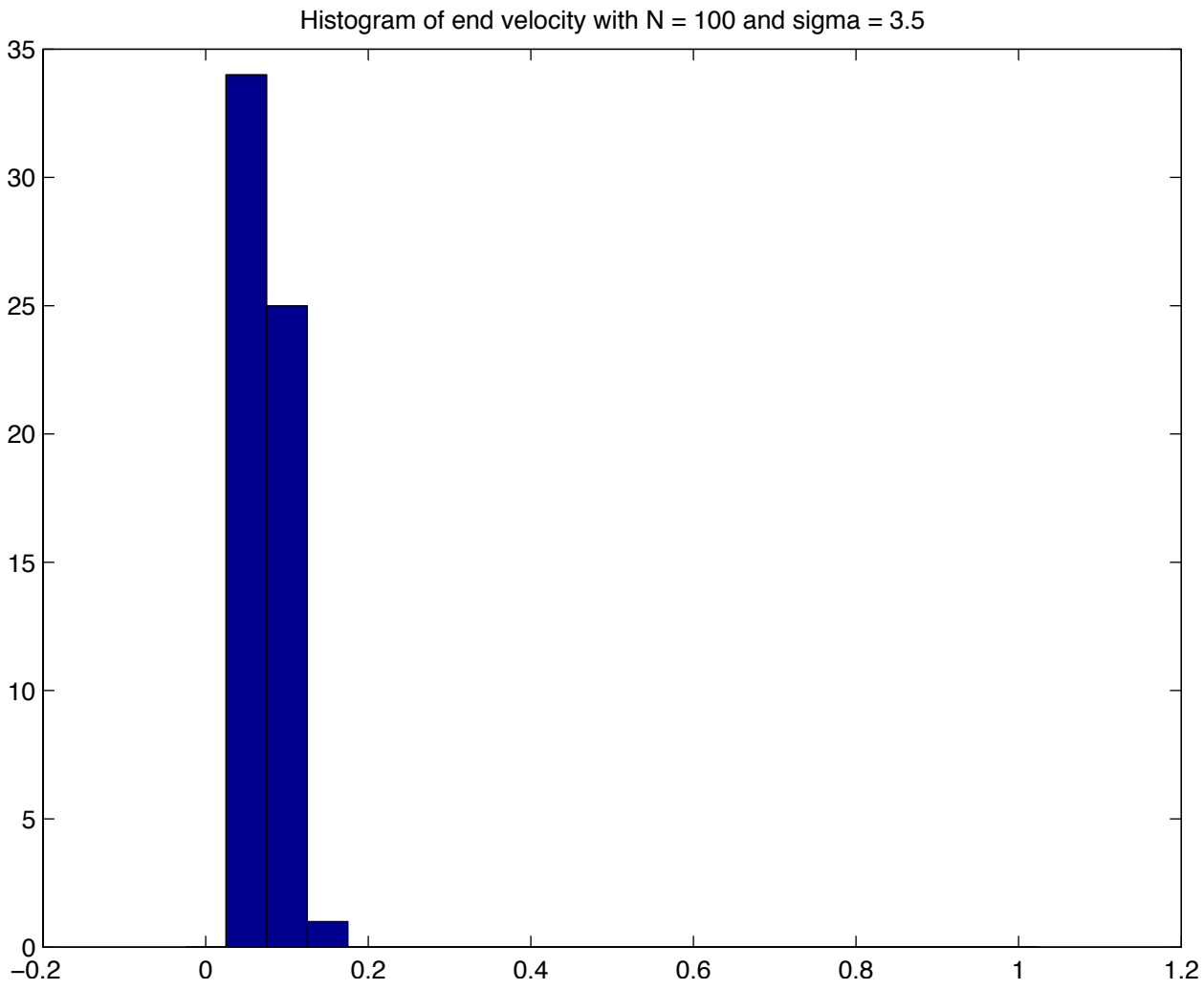

Distribution of transition times with N = 100 and sigma = 3
x 10^-3
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
20
40
60
80
100
120
140
160
180
200

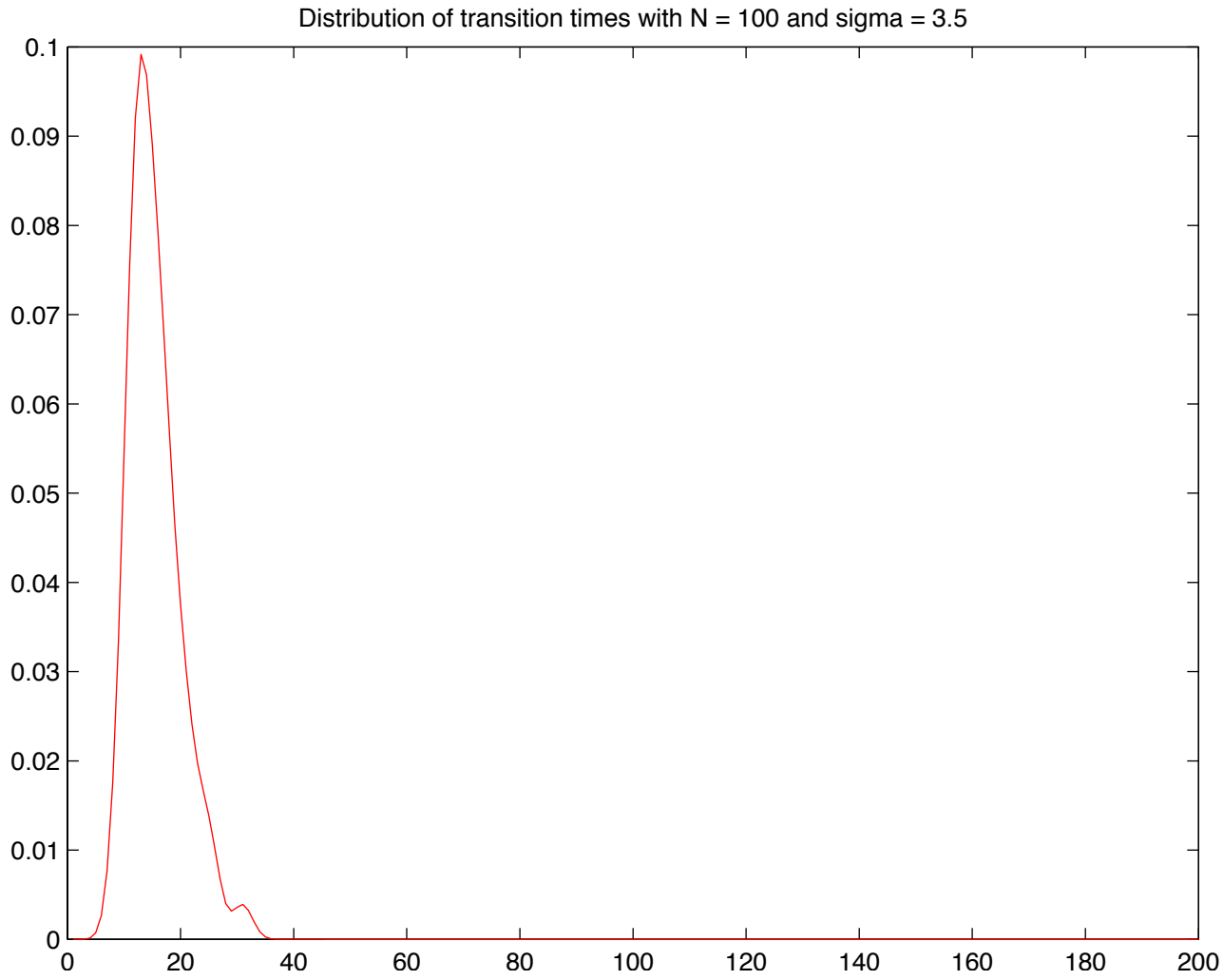

Individual run with N = 100 and sigma = 3.25 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

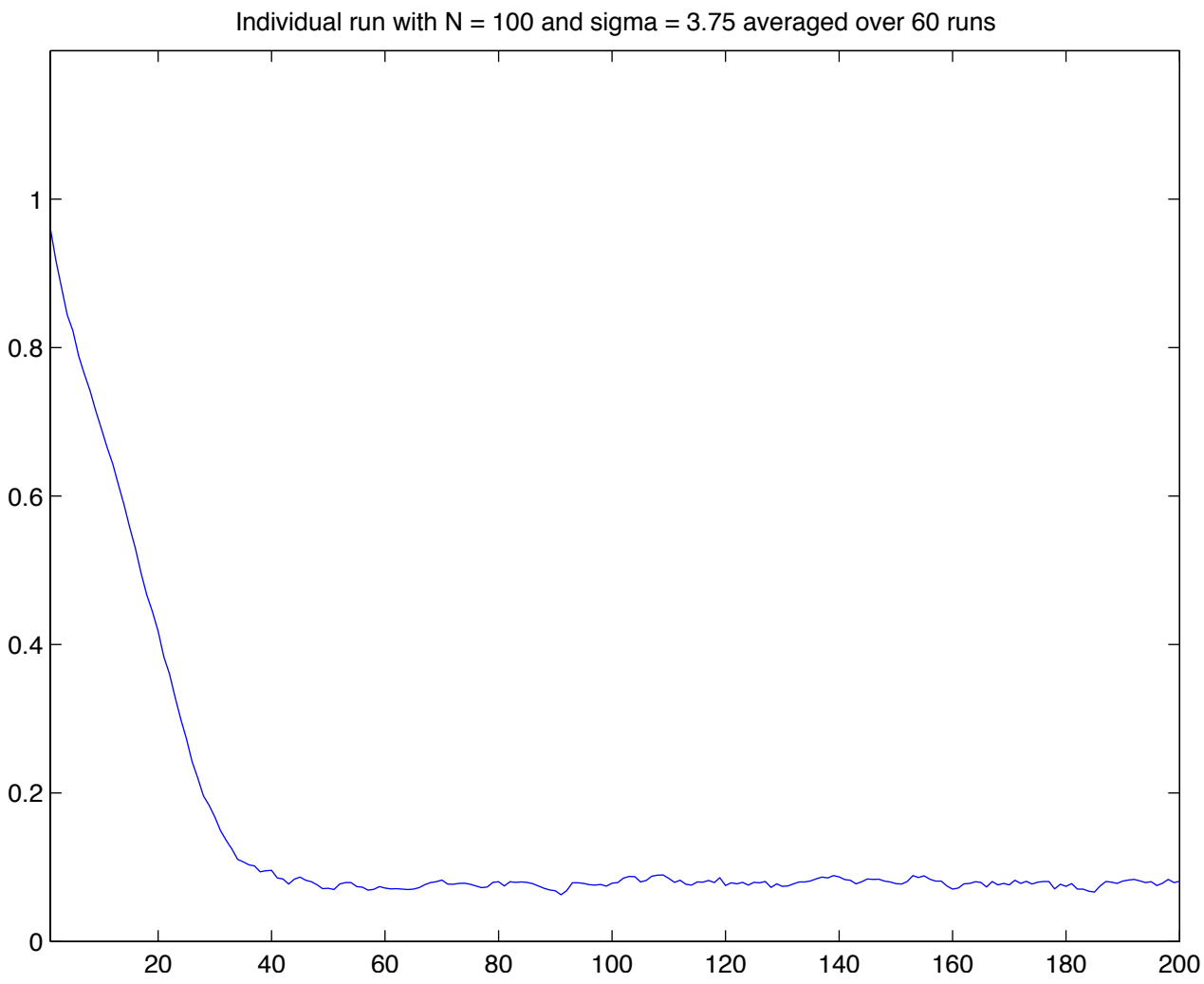

Histogram of end velocity with N = 100 and sigma = 3.25
40
35
30
25
20
15
10
5
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

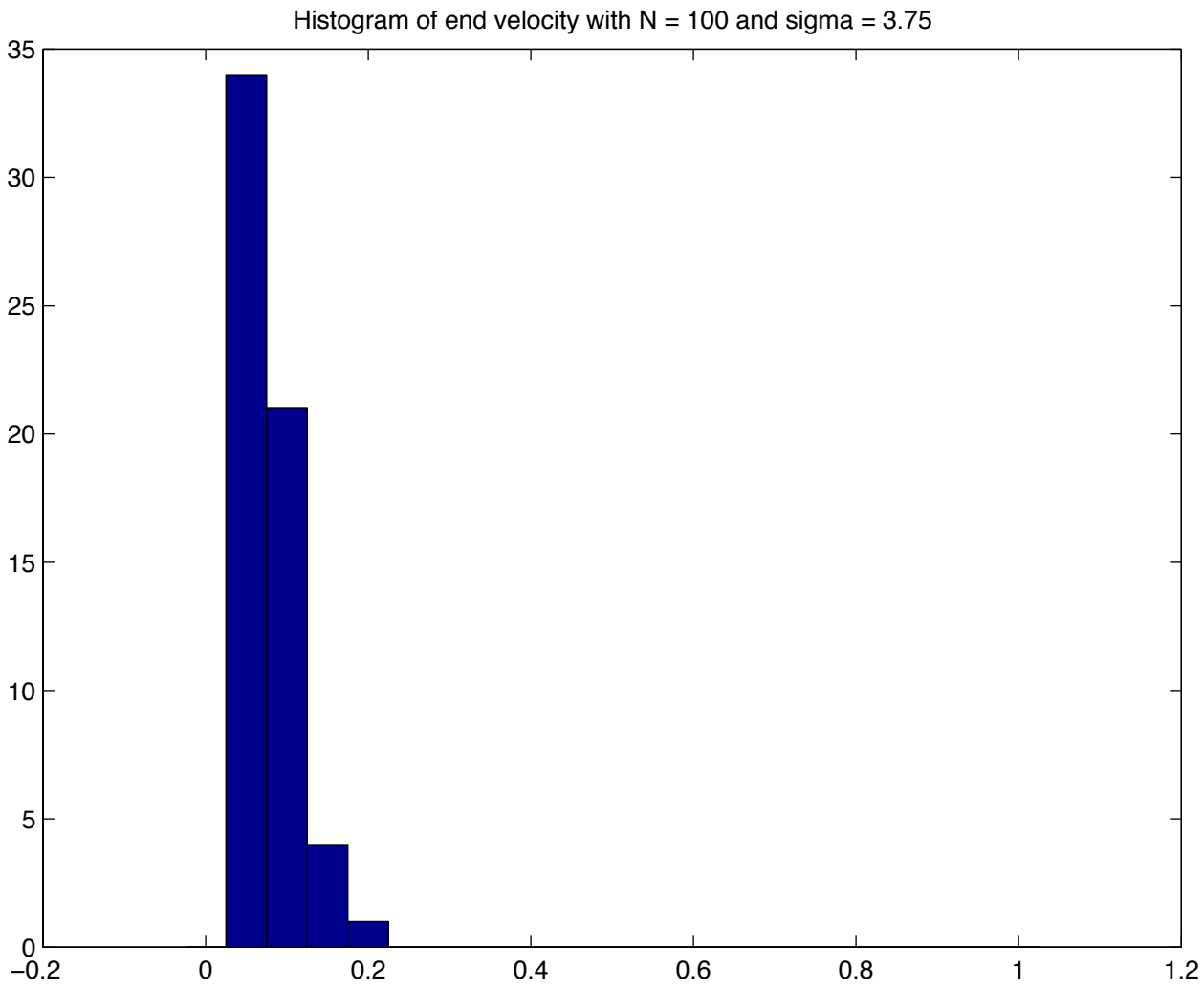

Distribution of transition times with N = 100 and sigma = 3.25
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
0
20
40
60
80
100
120
140
160
180
200

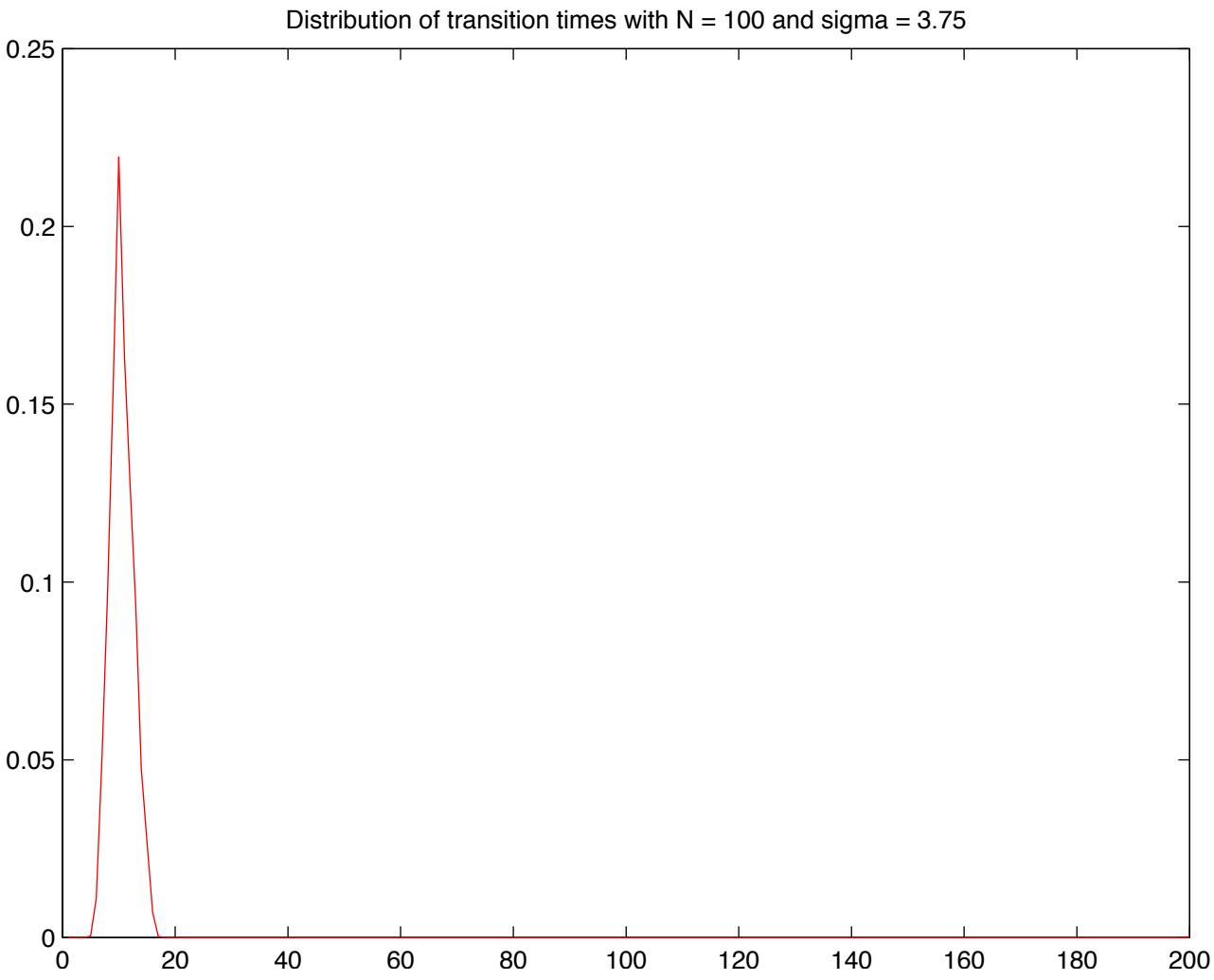

Individual run with N = 100 and sigma = 3.5 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

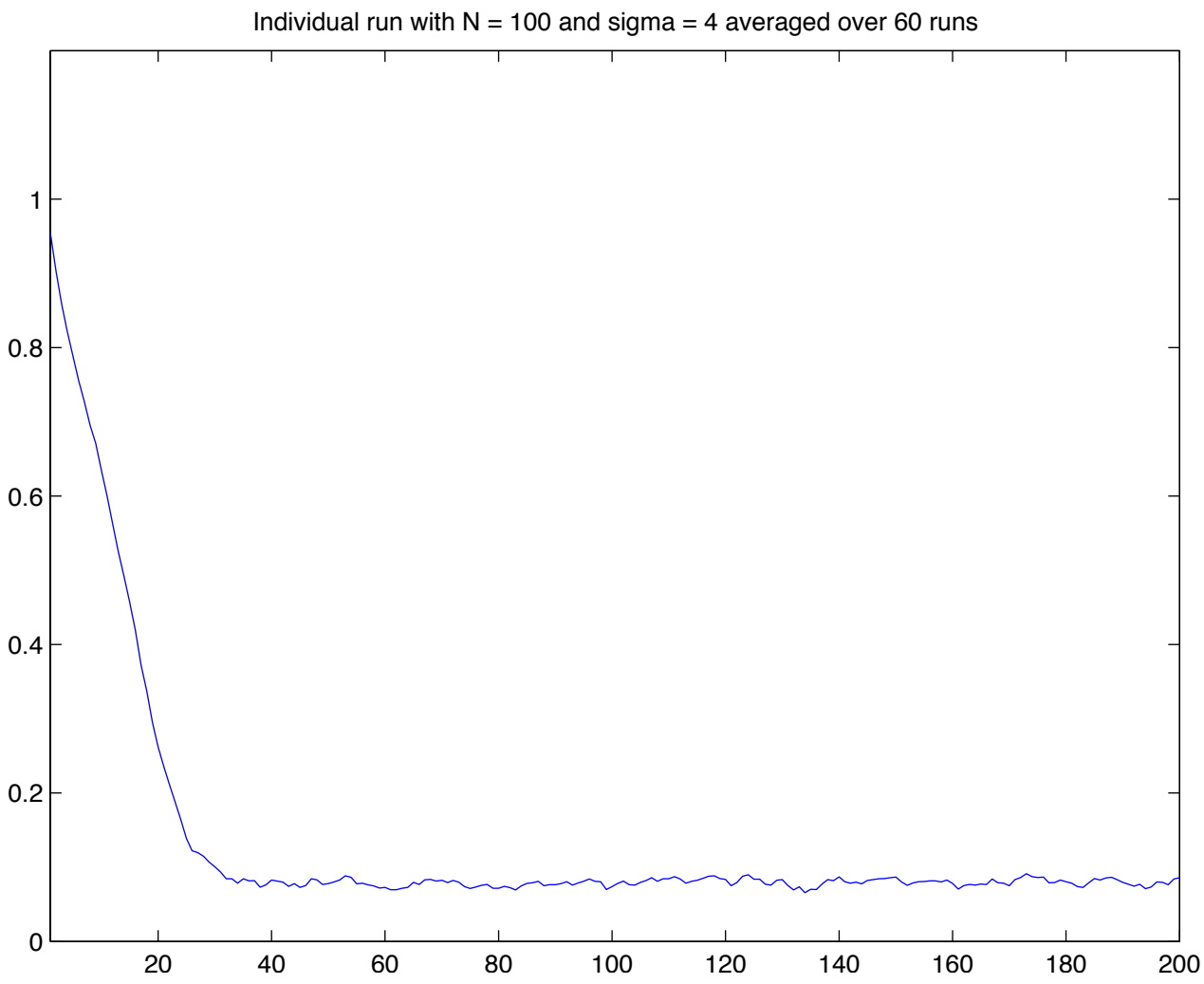

Histogram of end velocity with N = 100 and sigma = 3.5
35
30
25
20
15
10
5
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

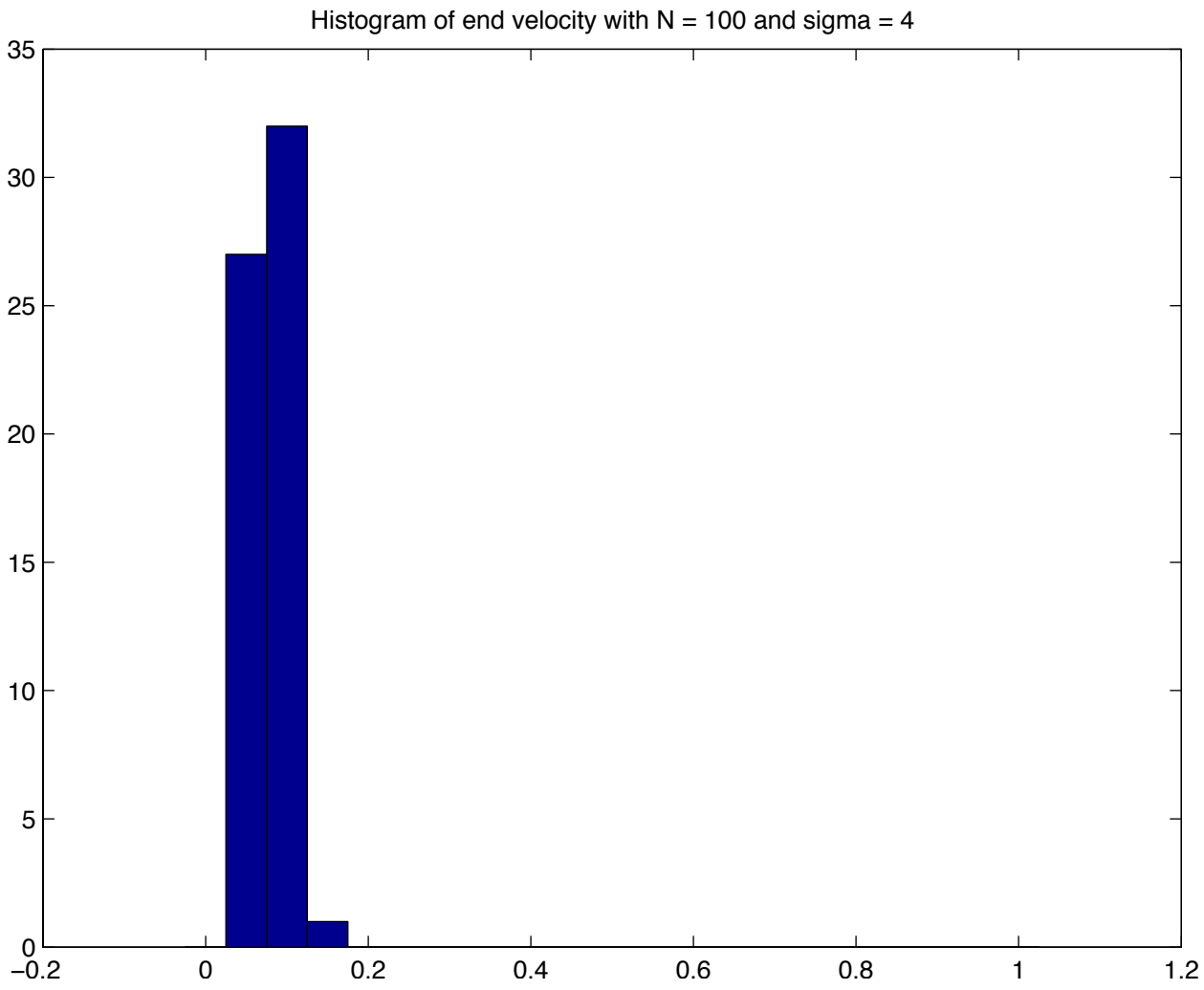

Distribution of transition times with N = 100 and sigma = 3.5
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0
20
40
60
80
100
120
140
160
180
200

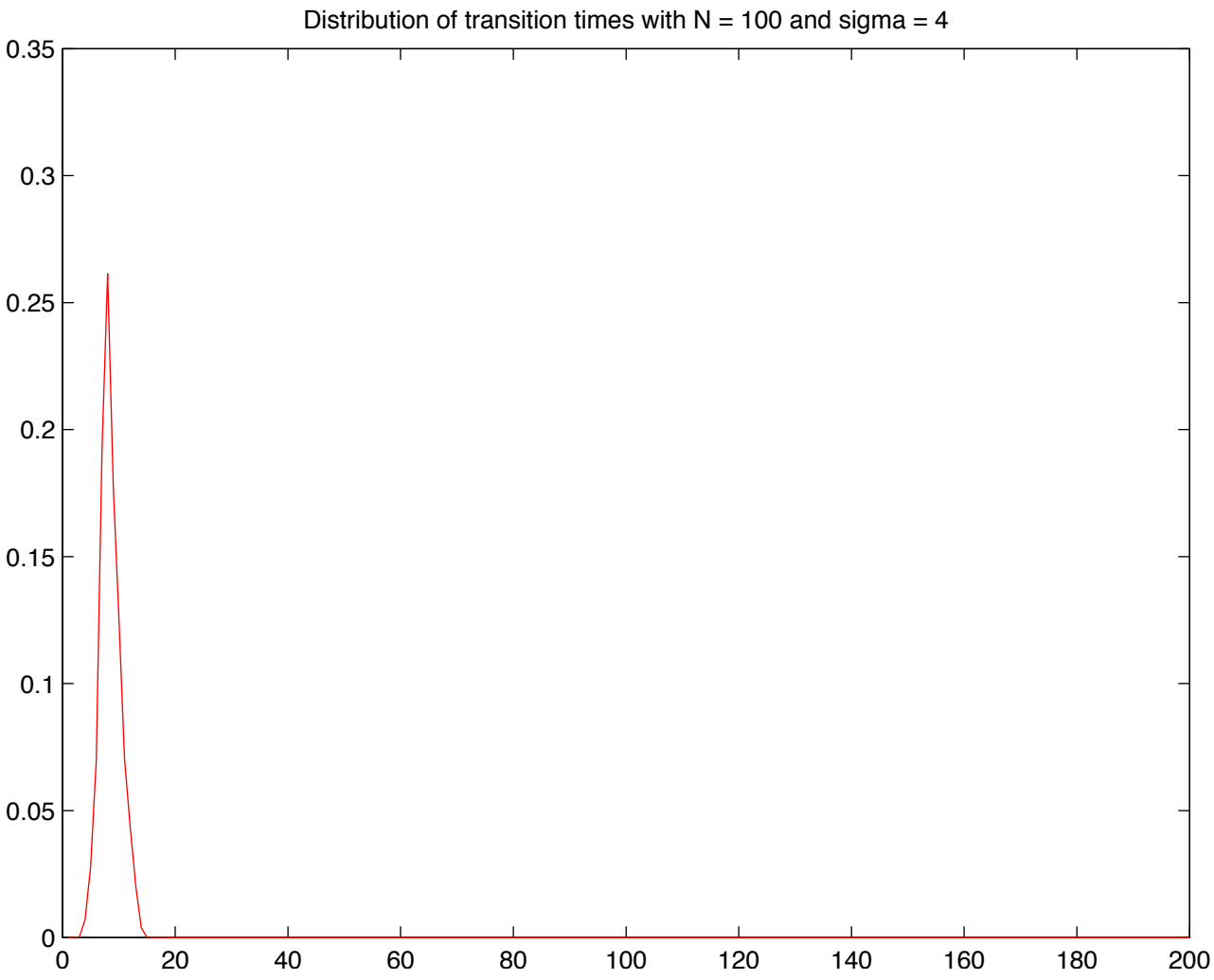

Individual run with N = 100 and sigma = 3.75 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

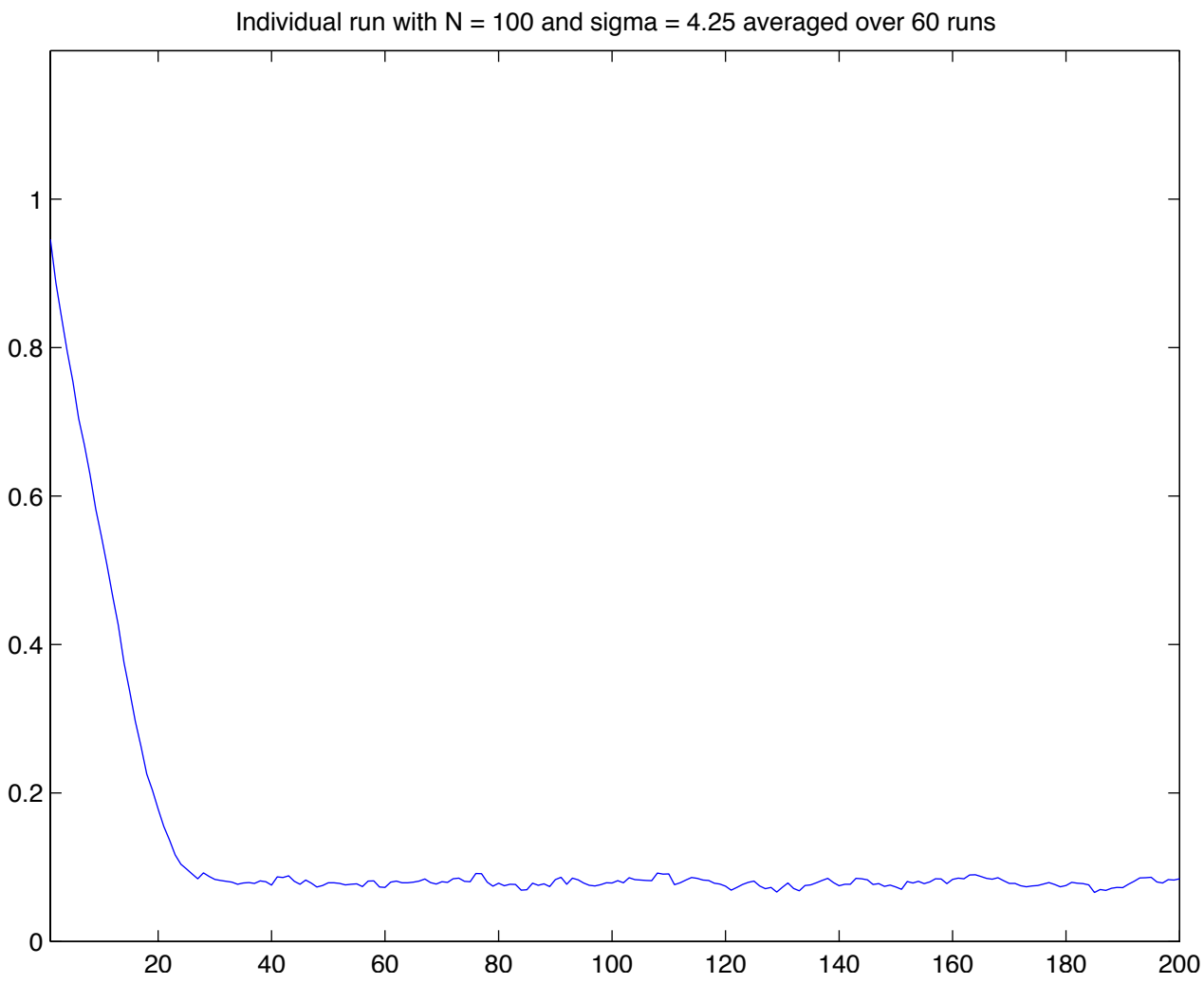

Histogram of end velocity with N = 100 and sigma = 3.75
35
30
25
20
15
10
5
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

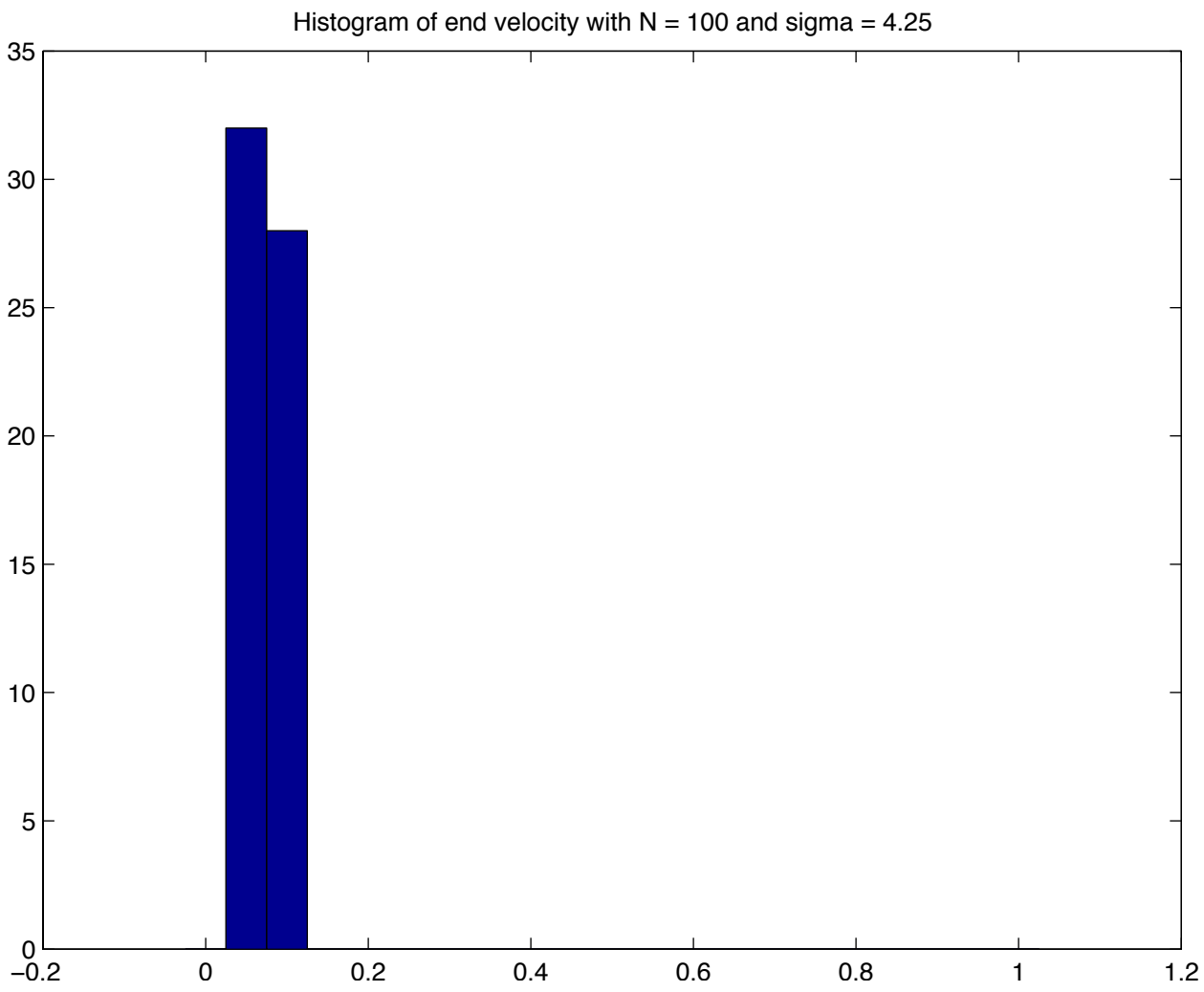

Distribution of transition times with N = 100 and sigma = 3.75
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100
120
140
160
180
200

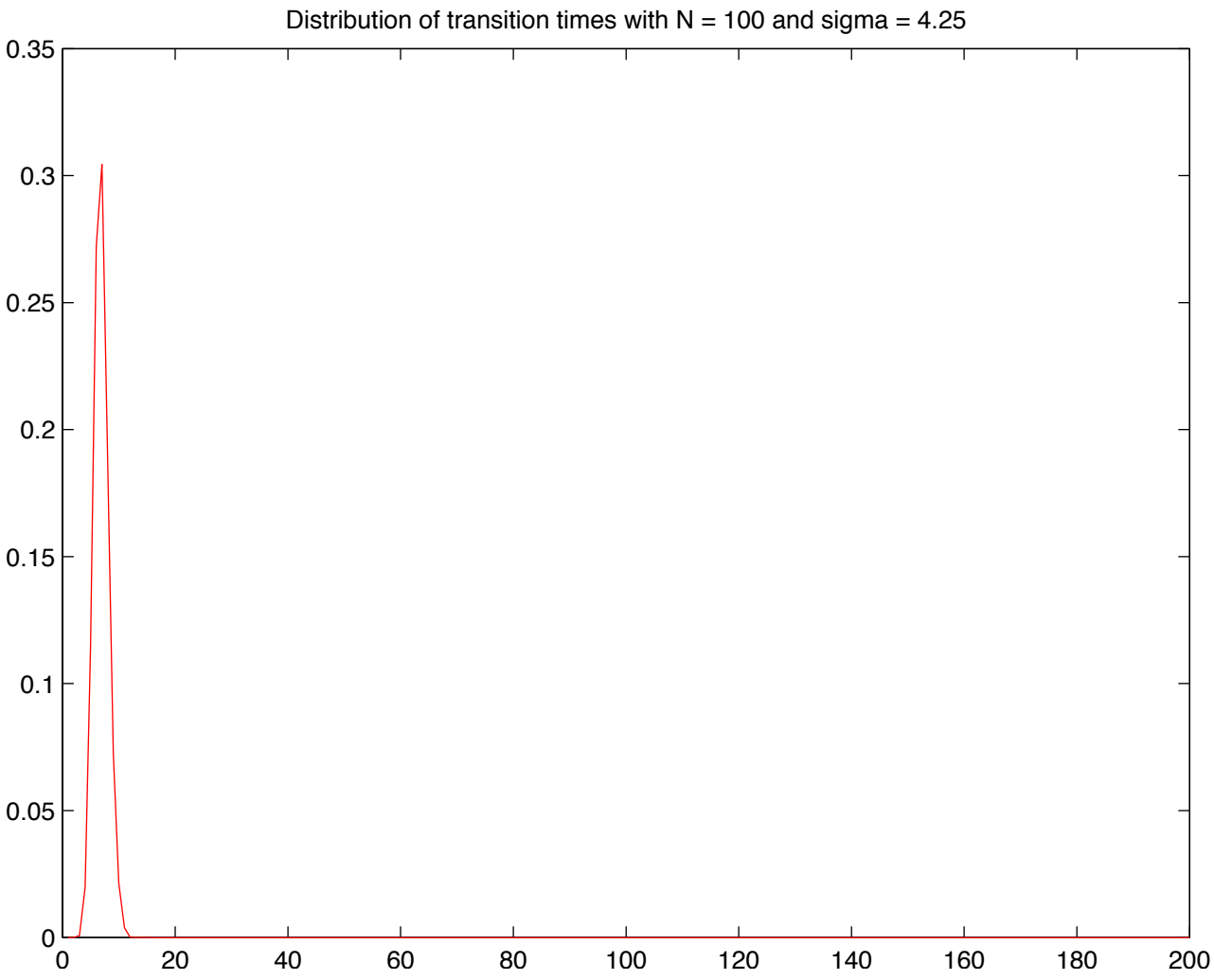

Individual run with N = 100 and sigma = 4 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

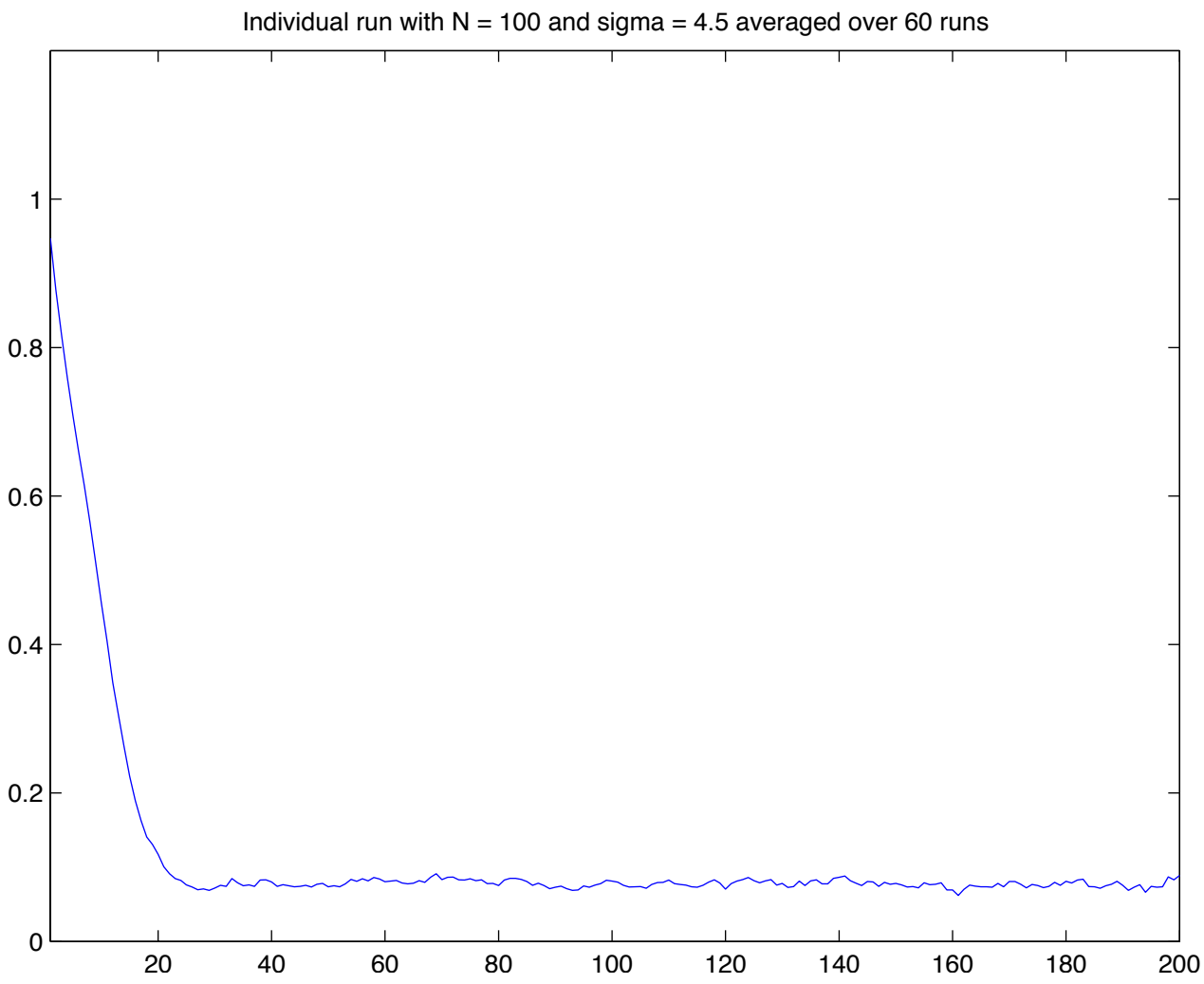

Histogram of end velocity with N = 100 and sigma = 4
35
30
25
20
15
10
5
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

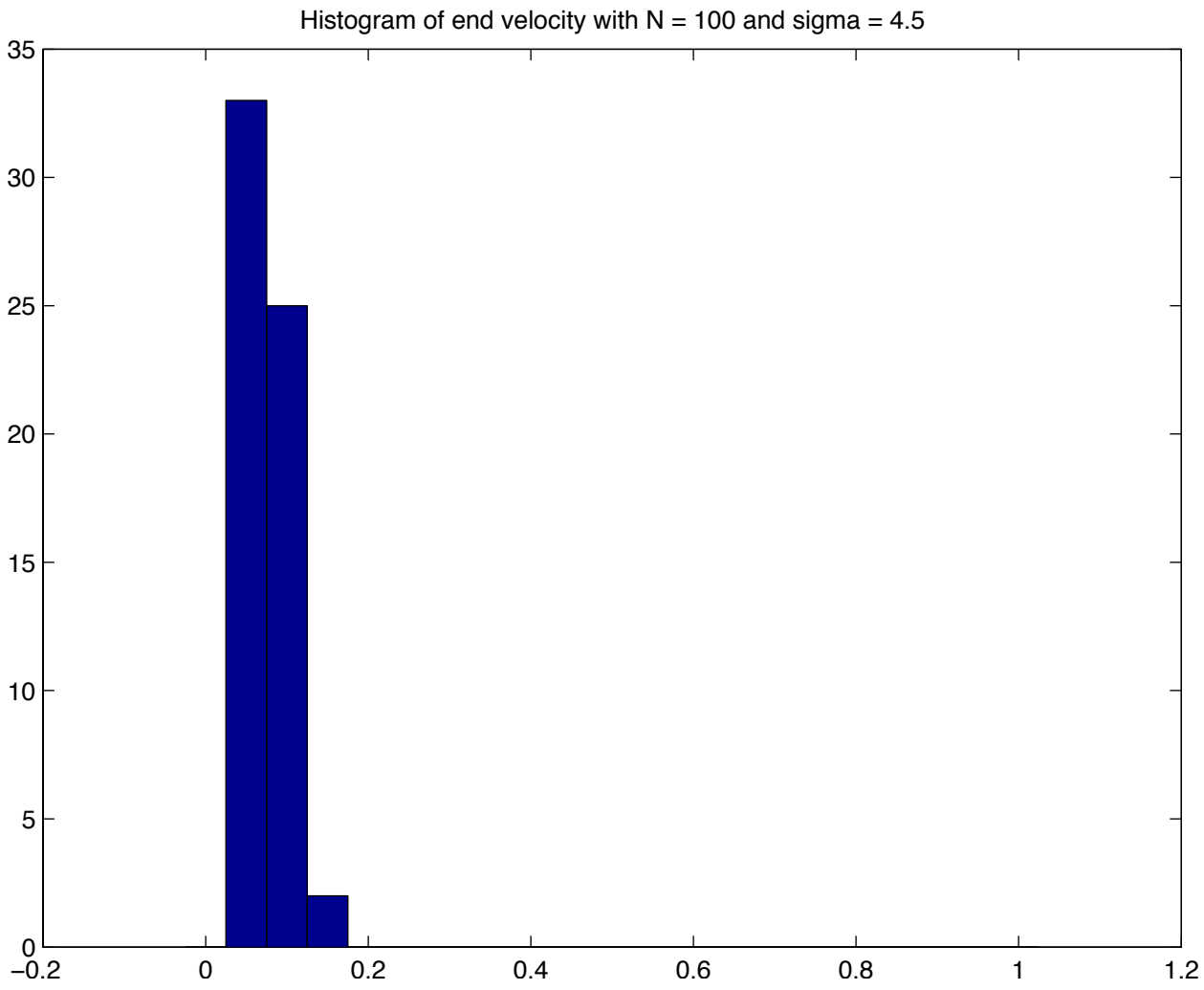

Distribution of transition times with N = 100 and sigma = 4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100
120
140
160
180
200

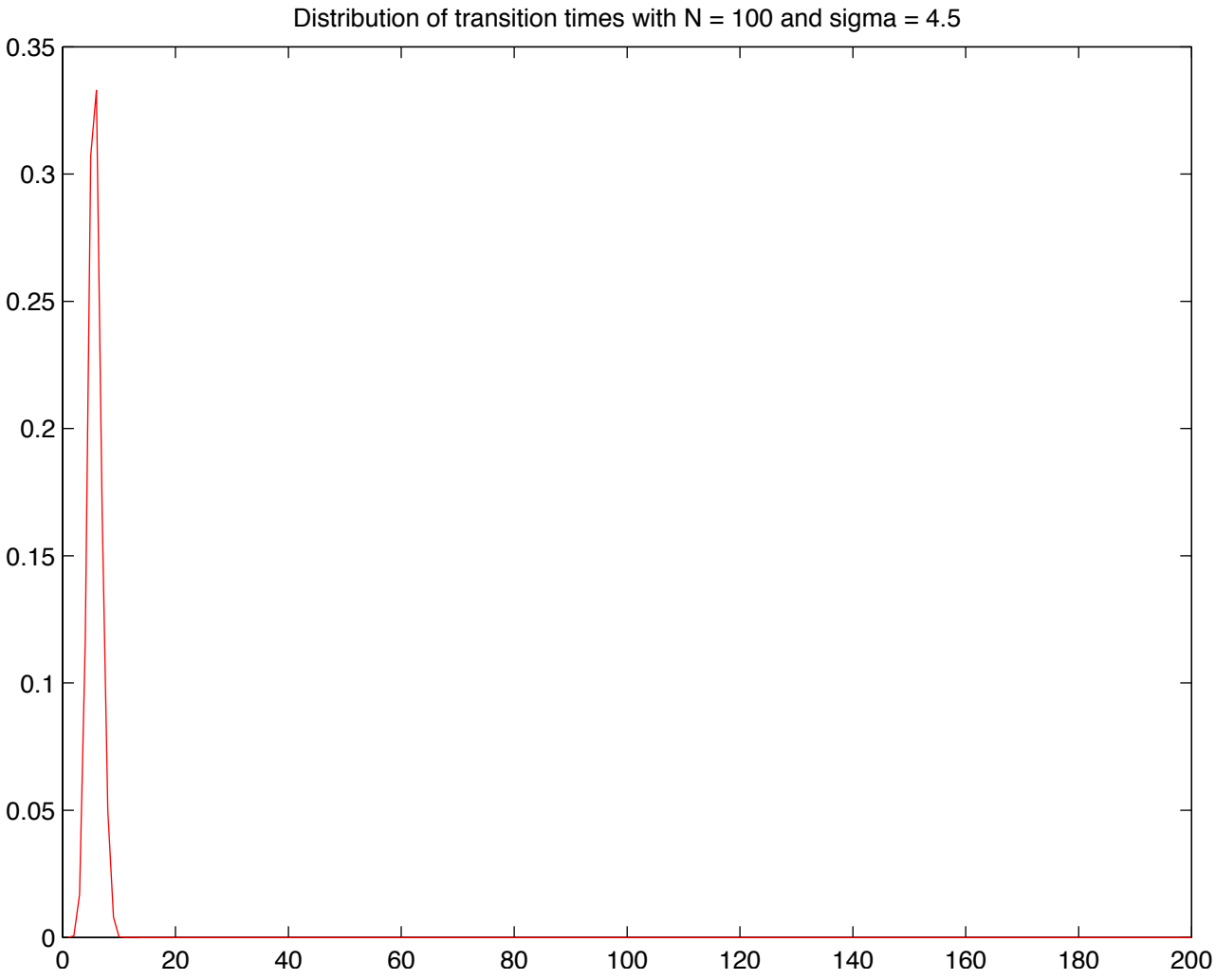

Individual run with N = 100 and sigma = 4.25 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

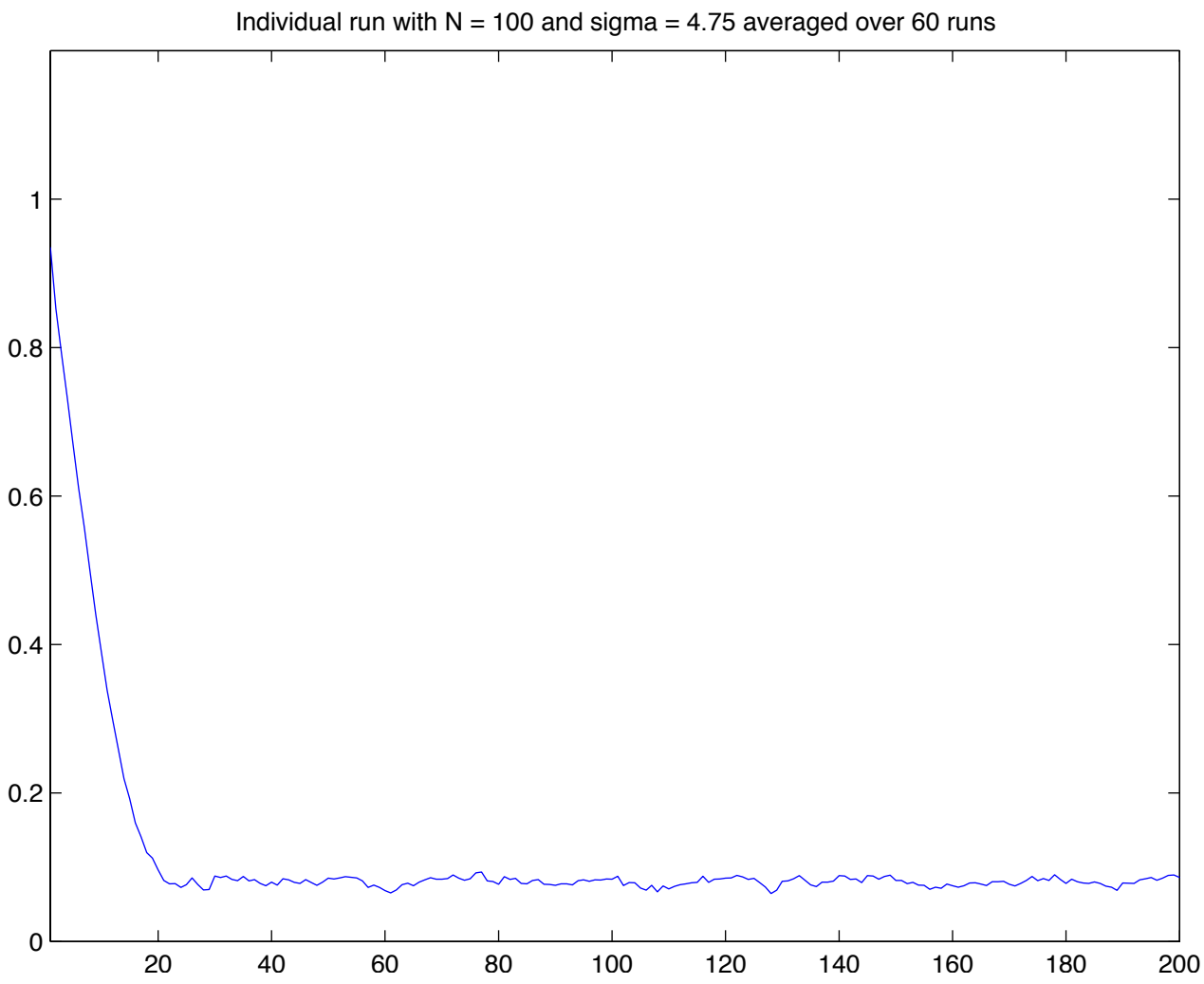

Histogram of end velocity with N = 100 and sigma = 4.25
35
30
25
20
15
10
5
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

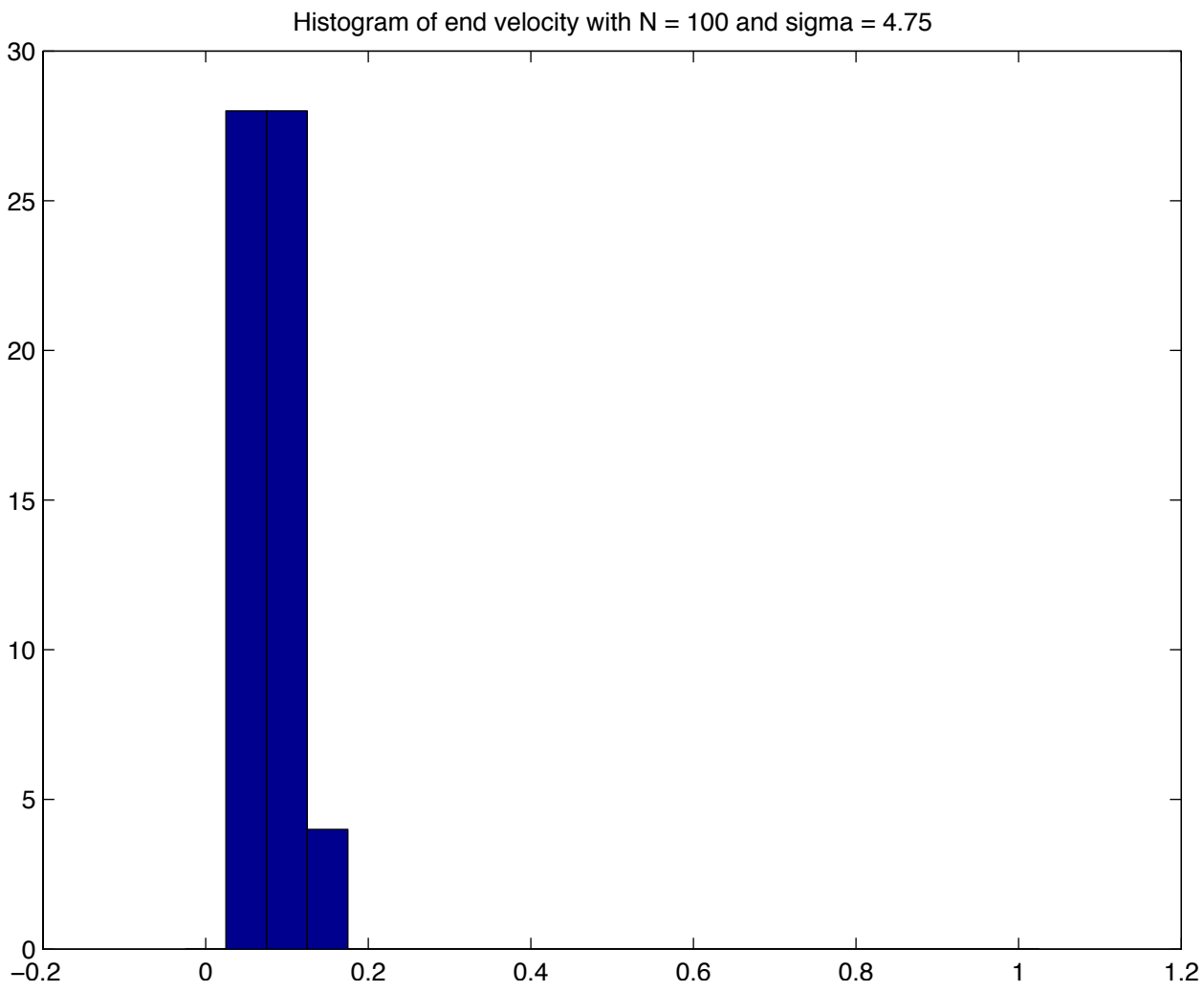

Distribution of transition times with N = 100 and sigma = 4.25
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100
120
140
160
180
200

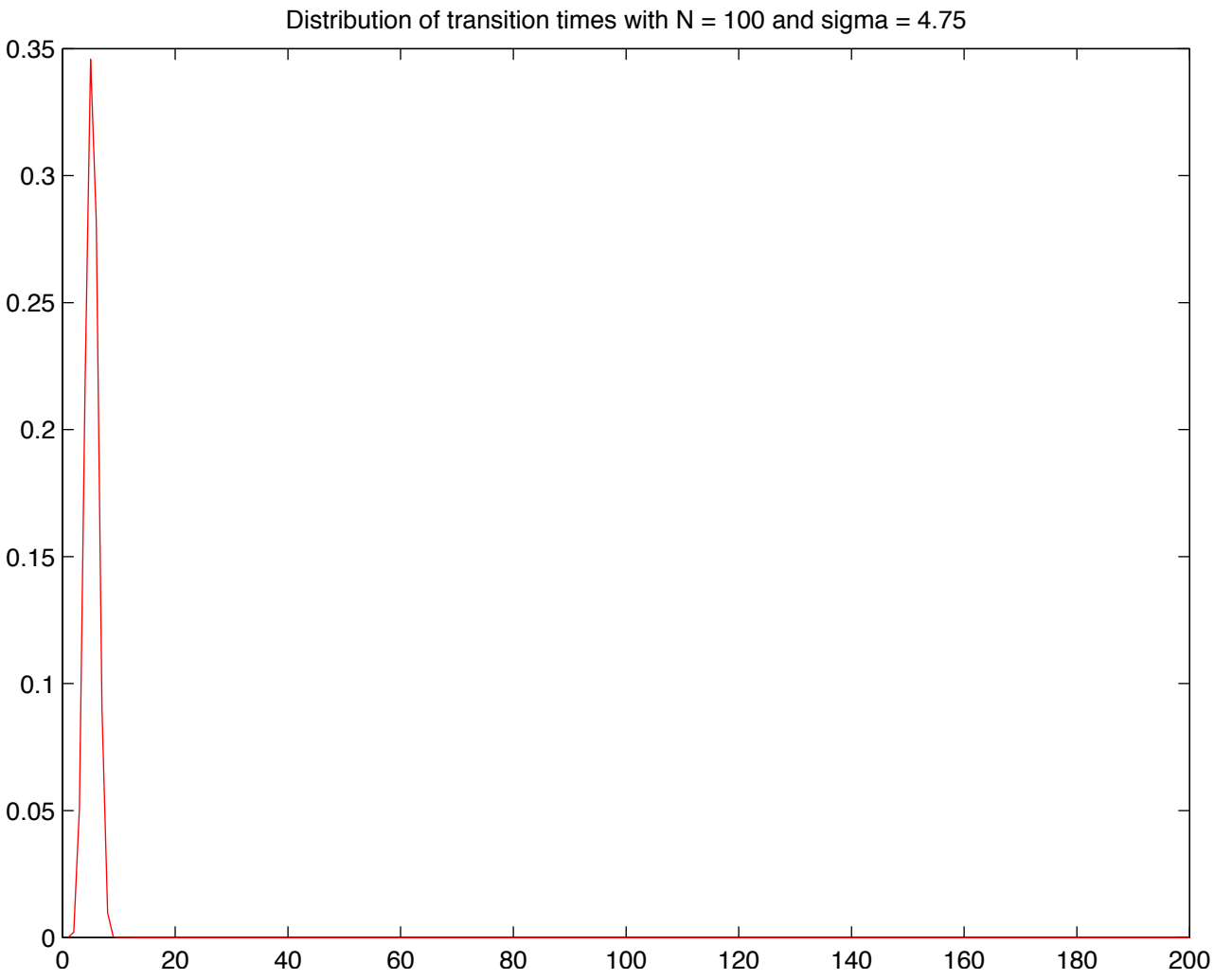

Individual run with N = 100 and sigma = 4.5 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

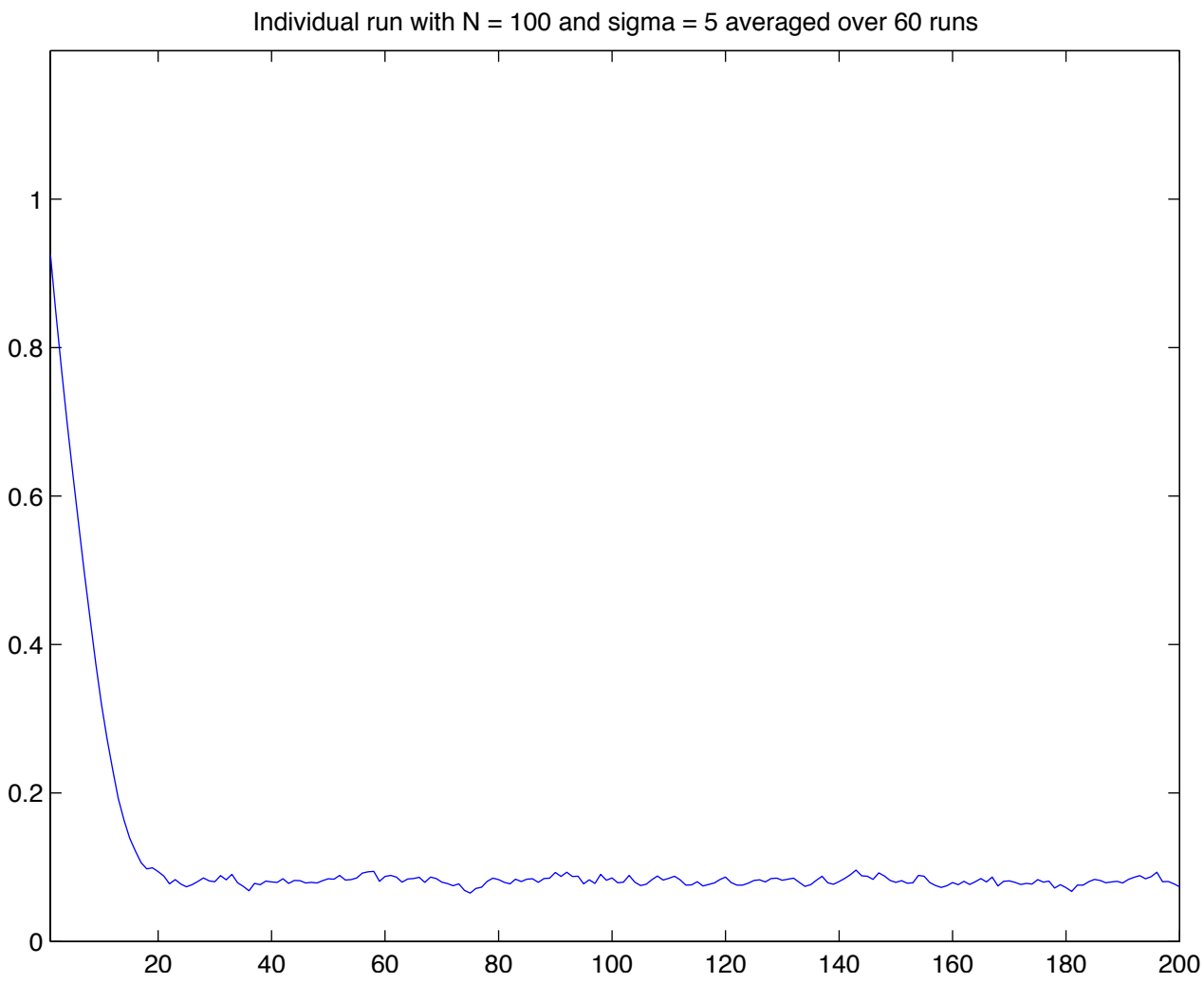

Histogram of end velocity with N = 100 and sigma = 4.5
35
30
25
20
15
10
5
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

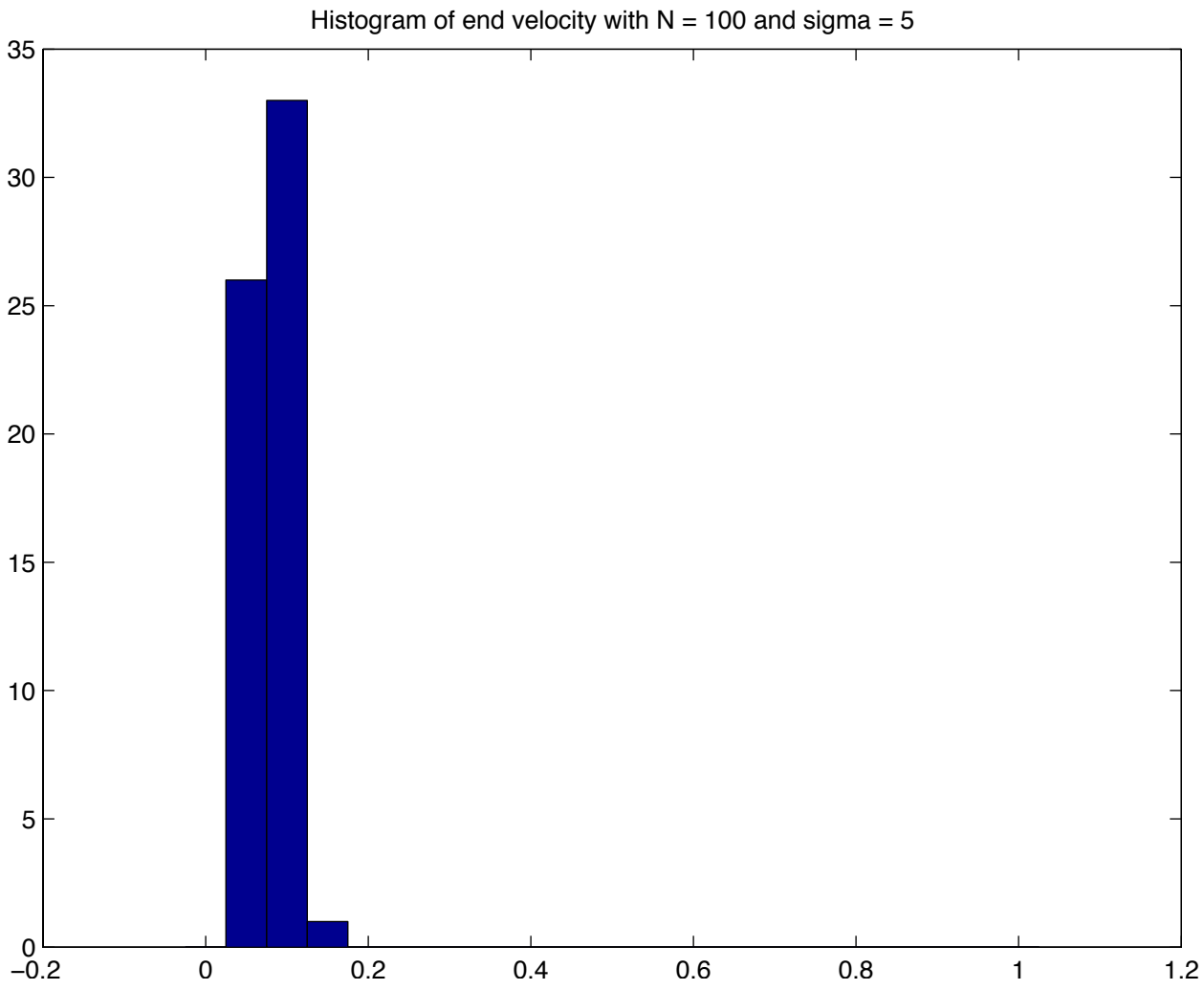

Distribution of transition times with N = 100 and sigma = 4.5
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100
120
140
160
180
200

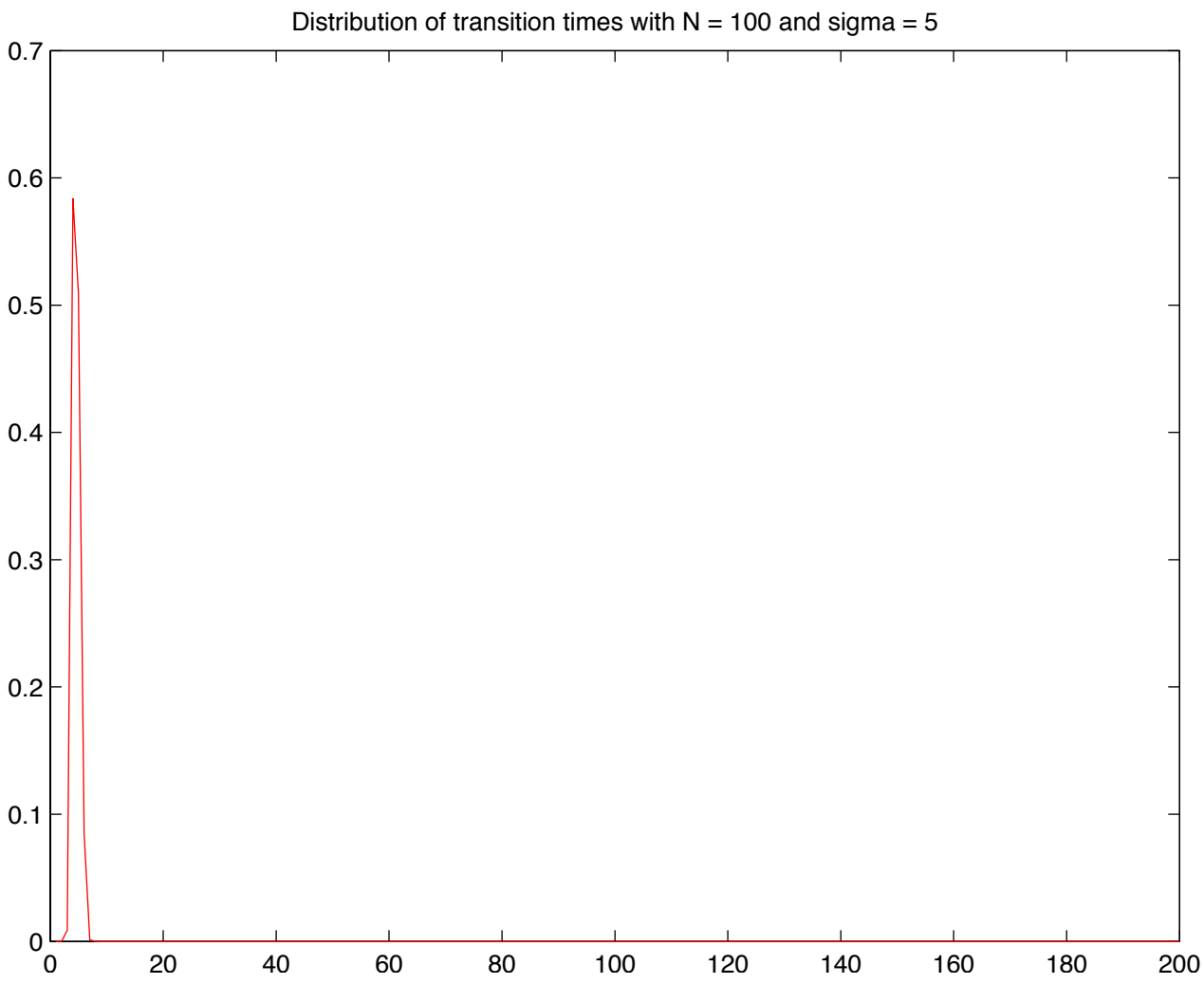

Individual run with N = 100 and sigma = 4.75 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

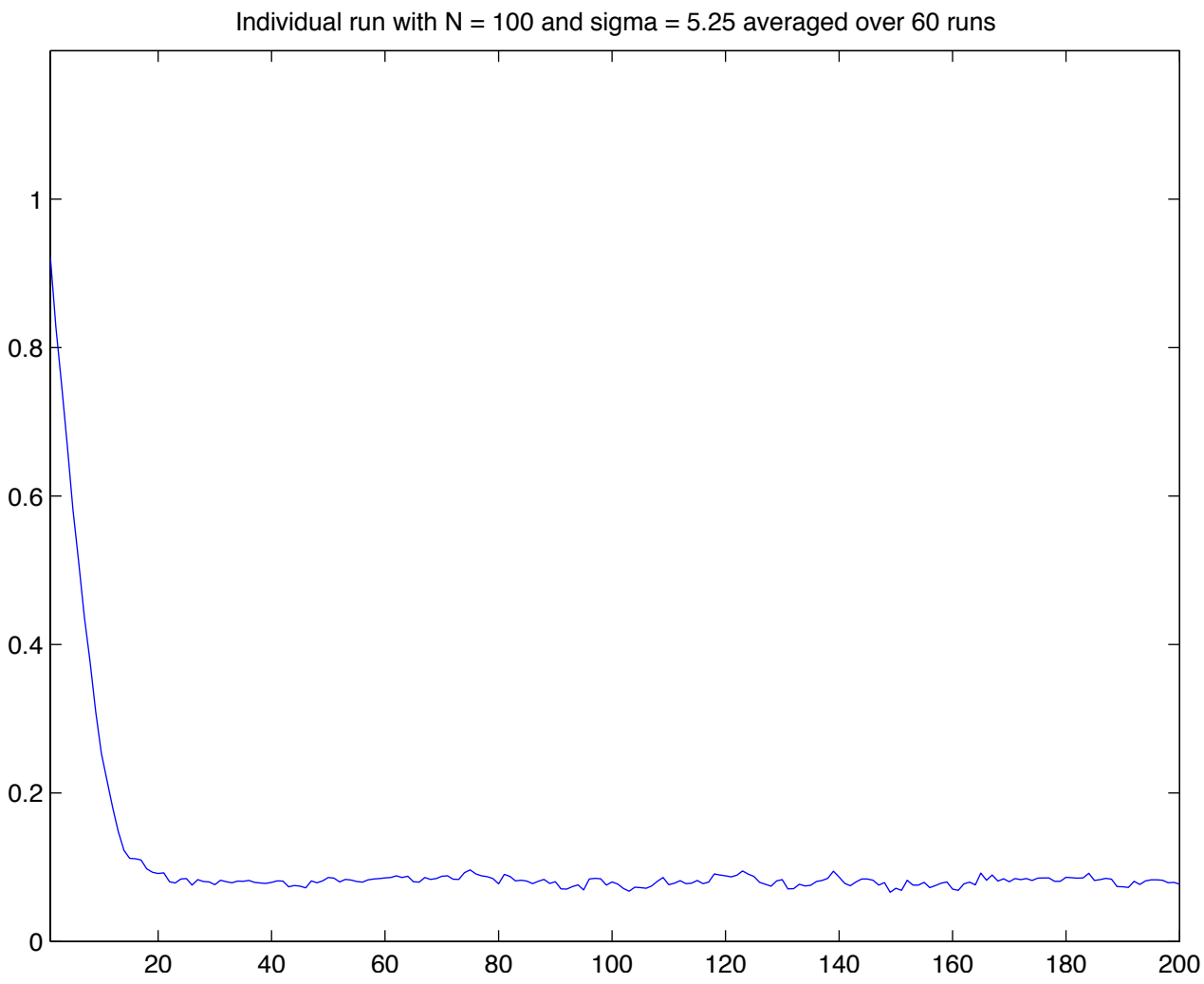

Histogram of end velocity with N = 100 and sigma = 4.75
30
25
20
15
10
5
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

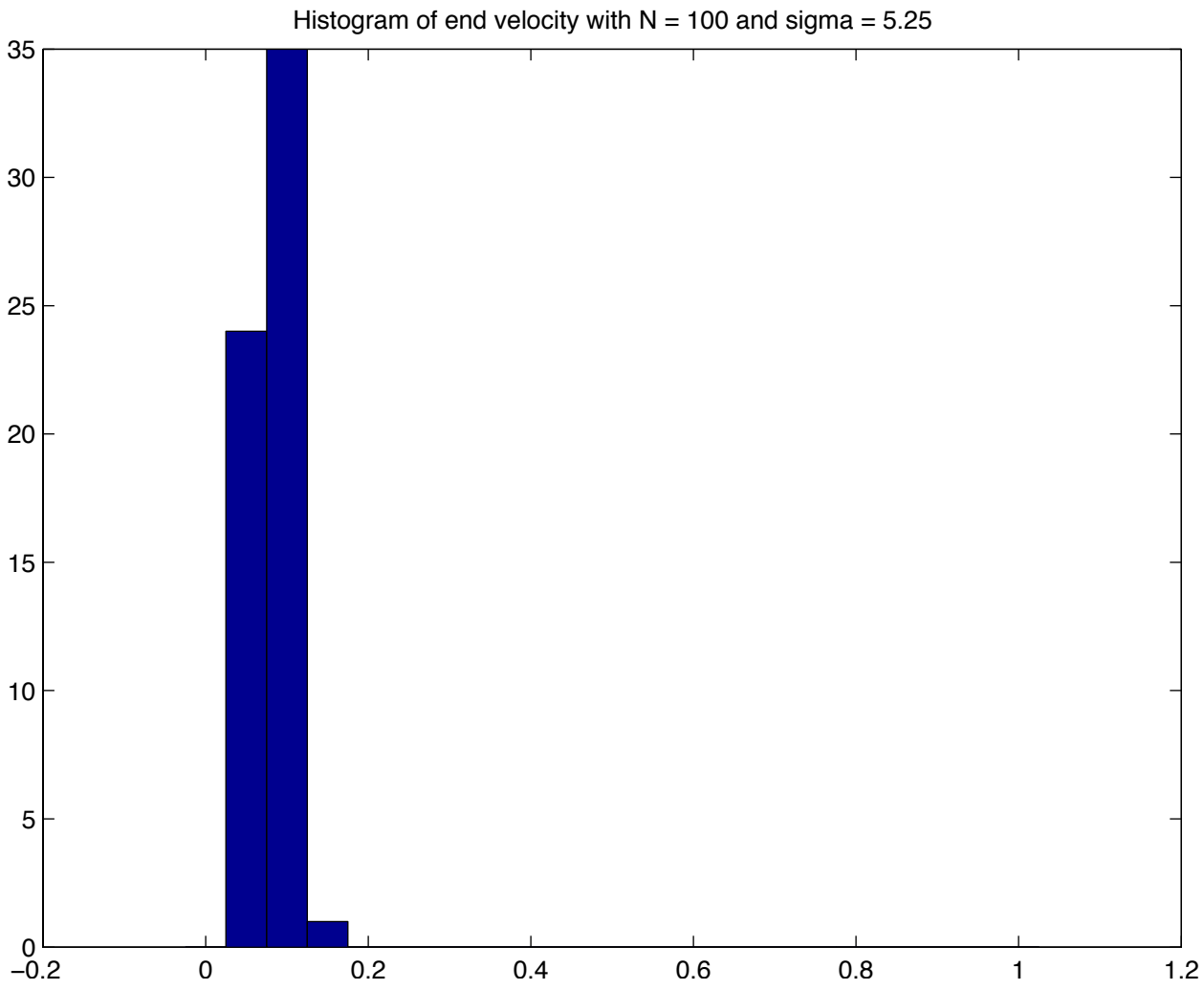

Distribution of transition times with N = 100 and sigma = 4.75
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100
120
140
160
180
200

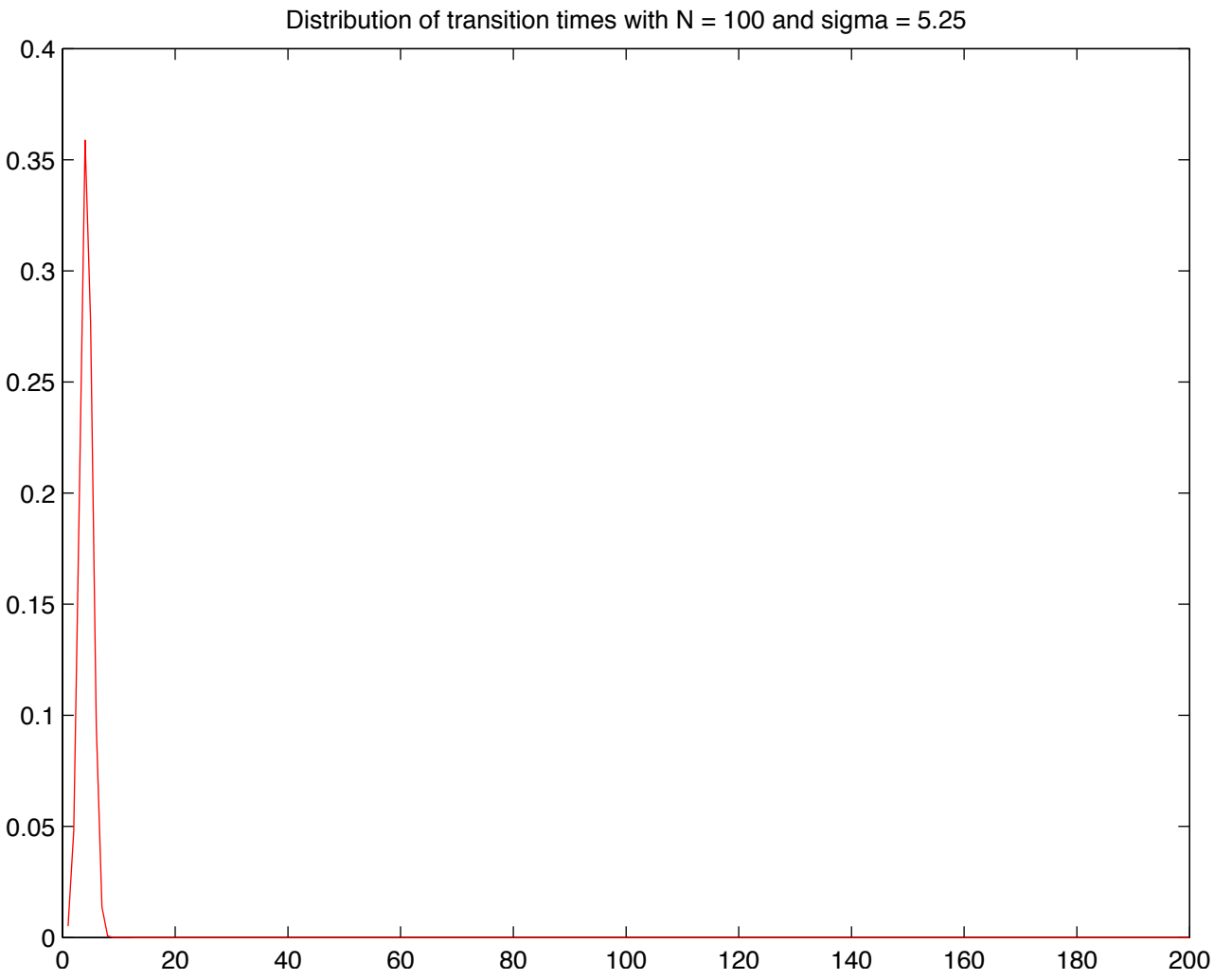

Individual run with N = 100 and sigma = 5 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

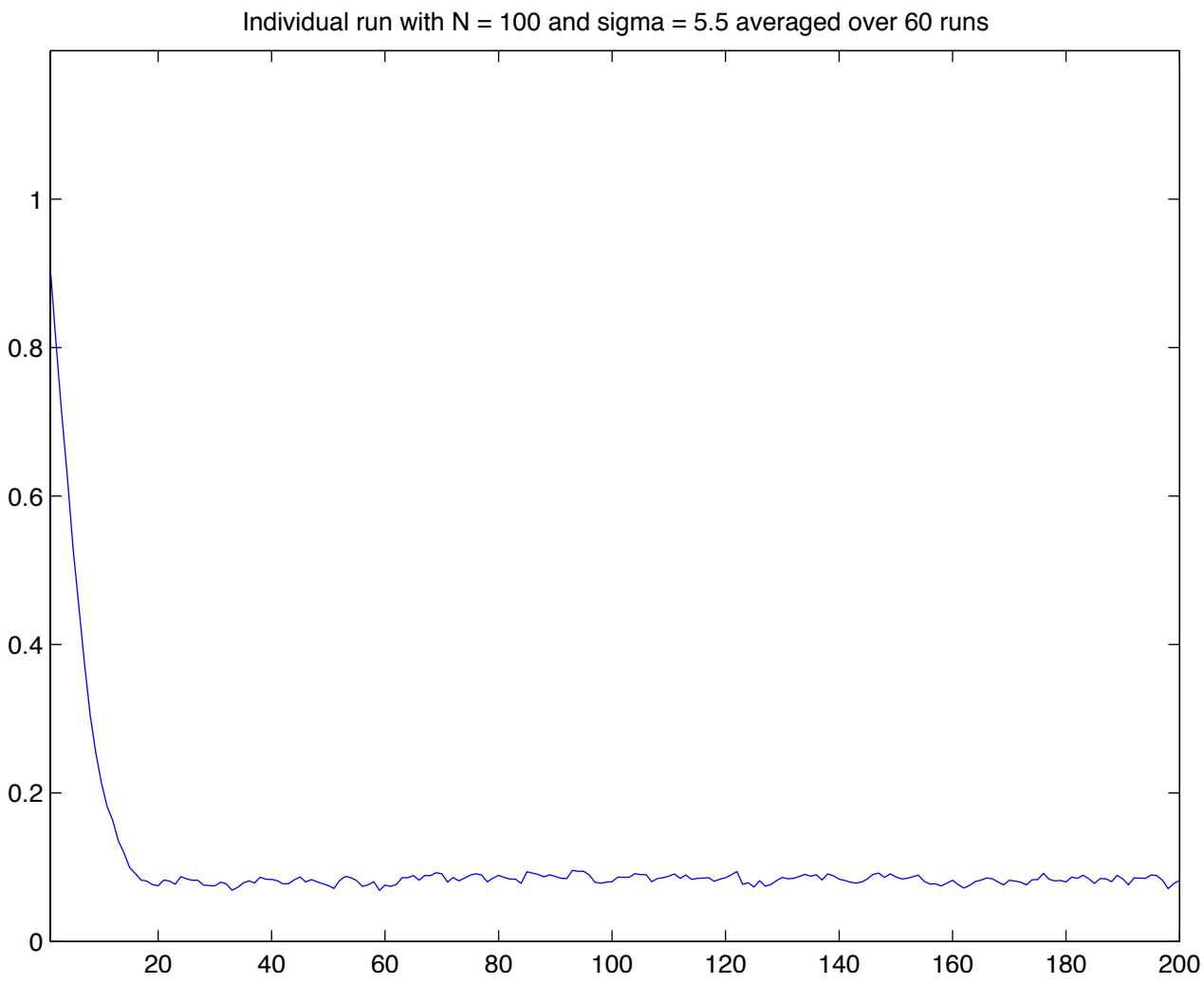

Histogram of end velocity with N = 100 and sigma = 5
35
30
25
20
15
10
5
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

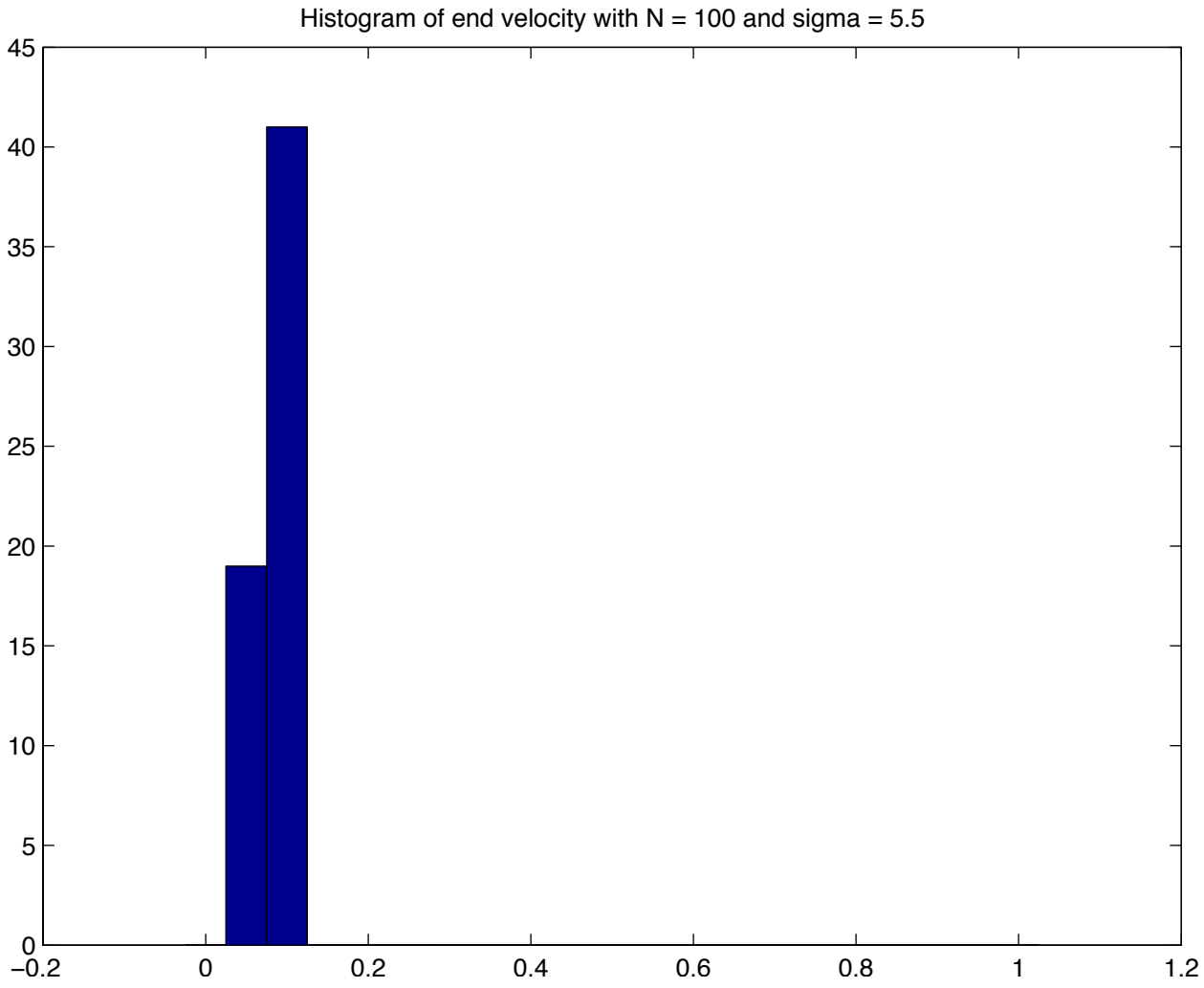

Distribution of transition times with N = 100 and sigma = 5
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
20
40
60
80
100
120
140
160
180
200

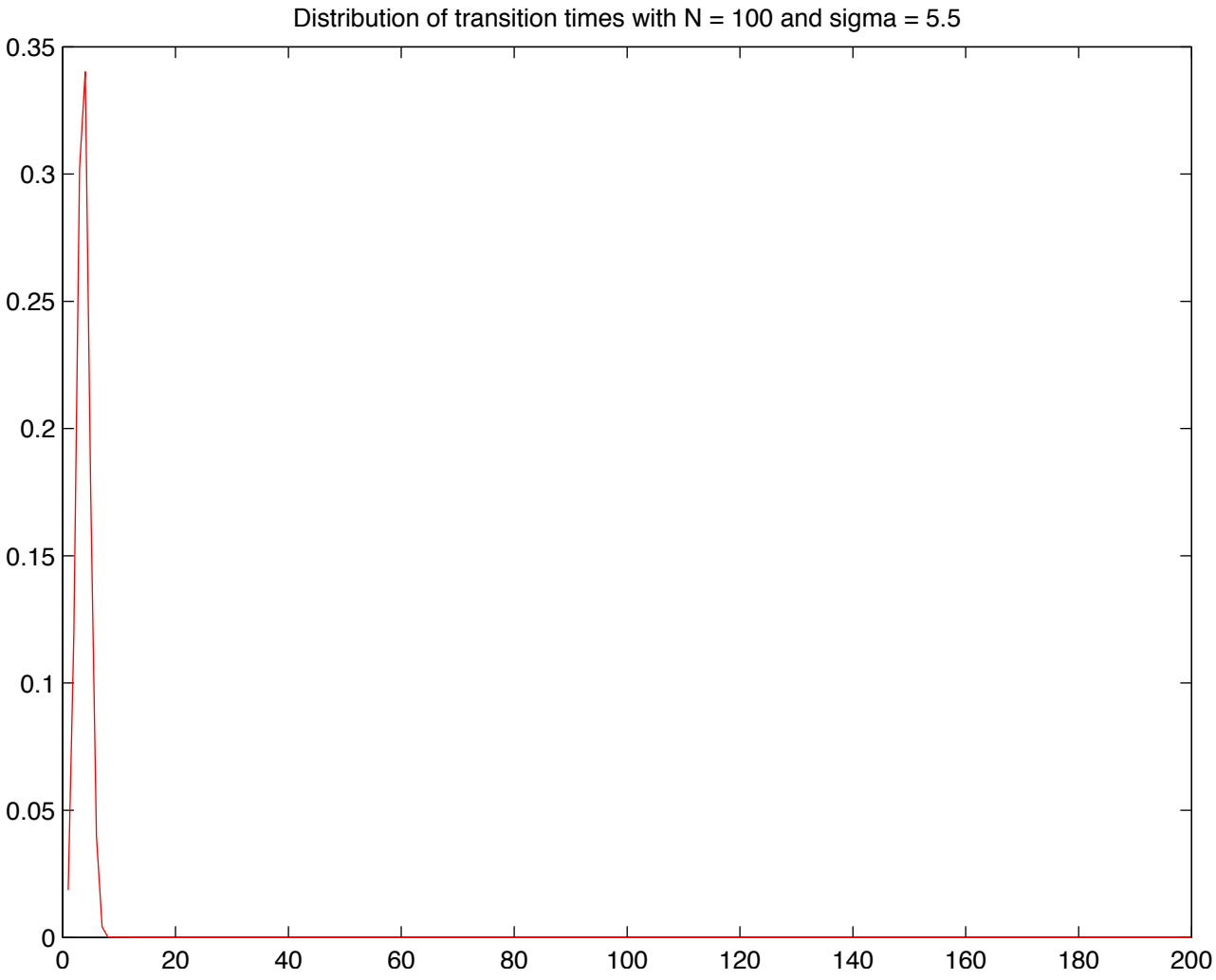

Individual run with N = 100 and sigma = 5.25 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200

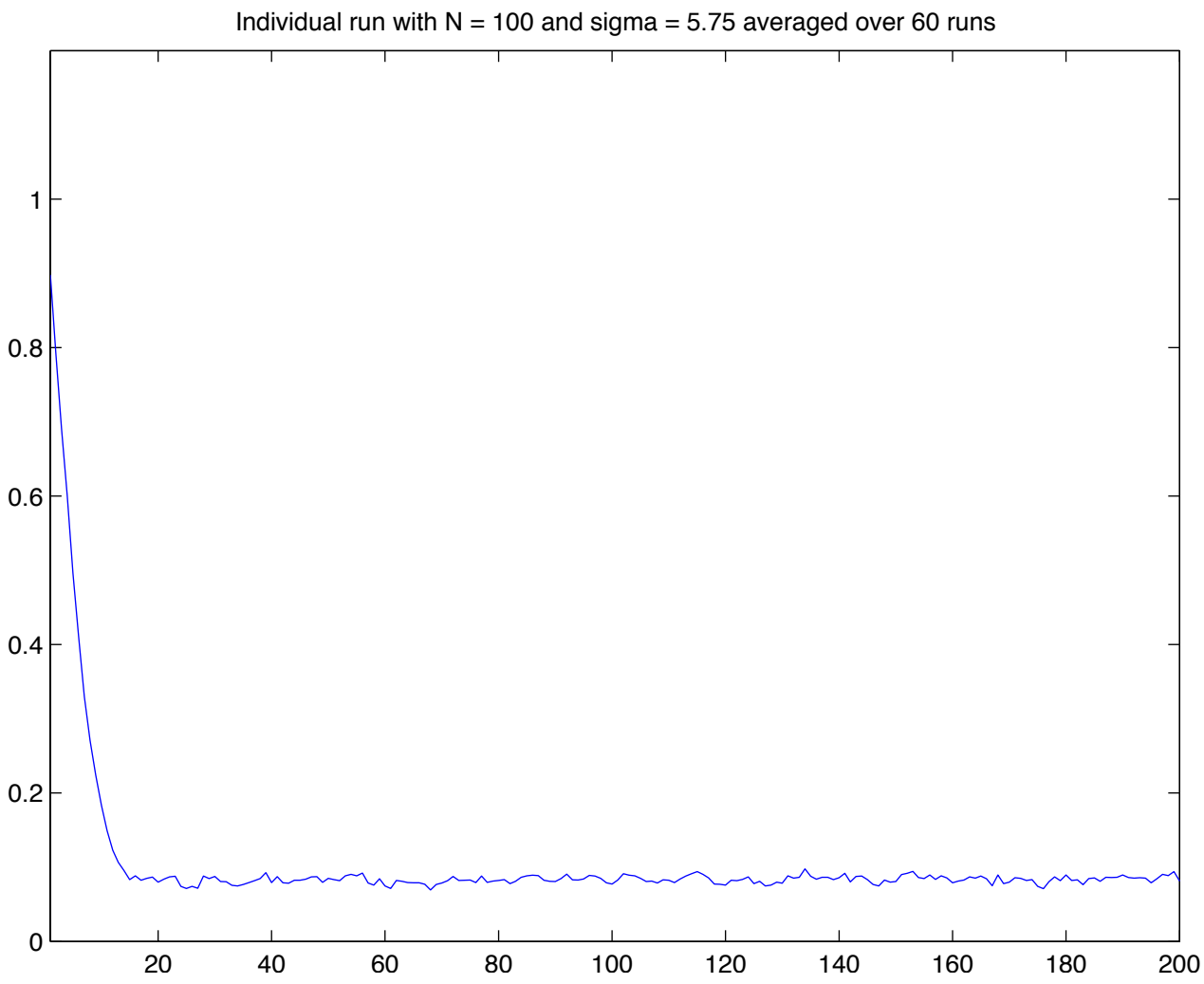

Histogram of end velocity with N = 100 and sigma = 5.25
35
30
25
20
15
10
5
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2

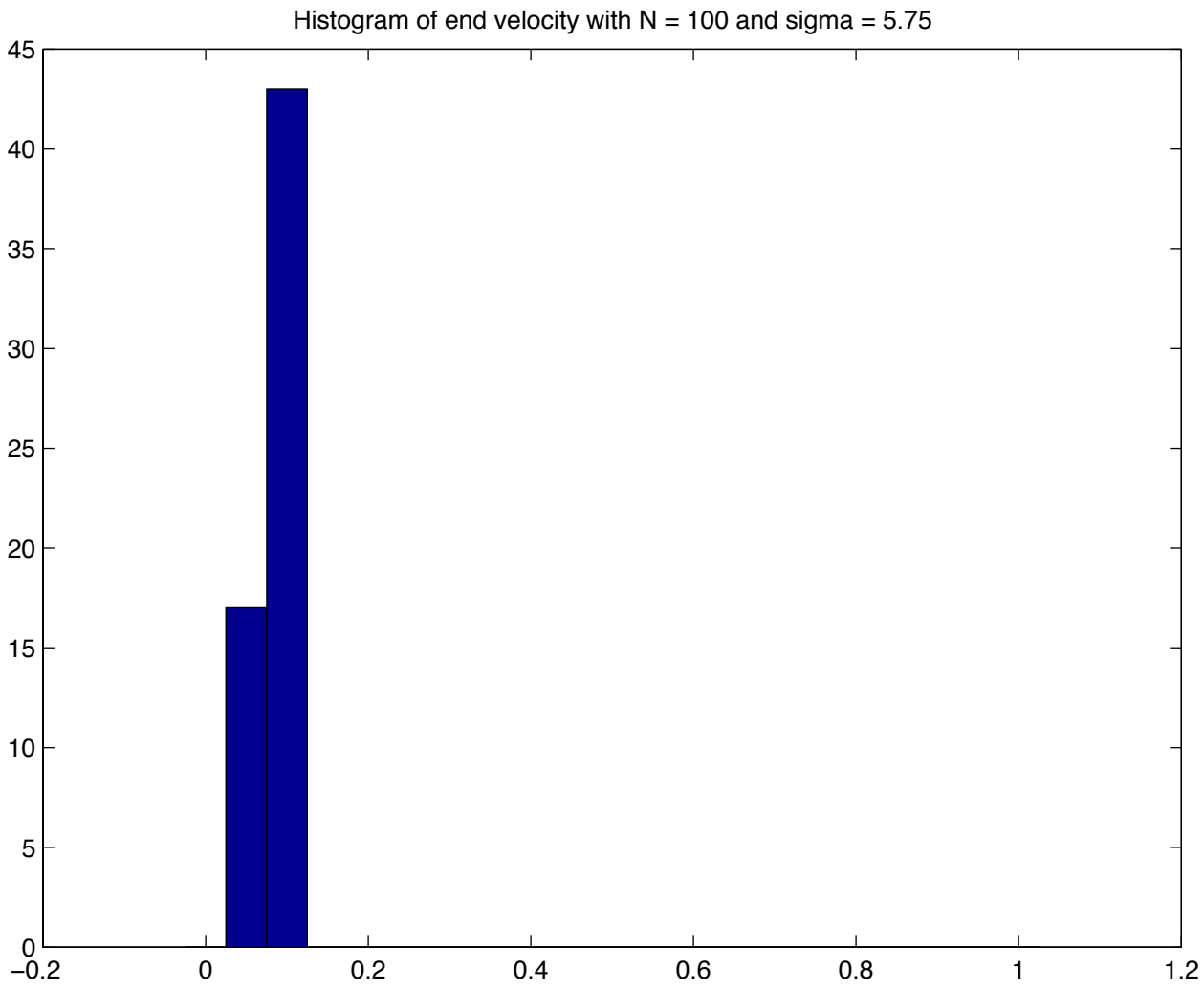

Distribution of transition times with N = 100 and sigma = 5.25
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100
120
140
160
180
200

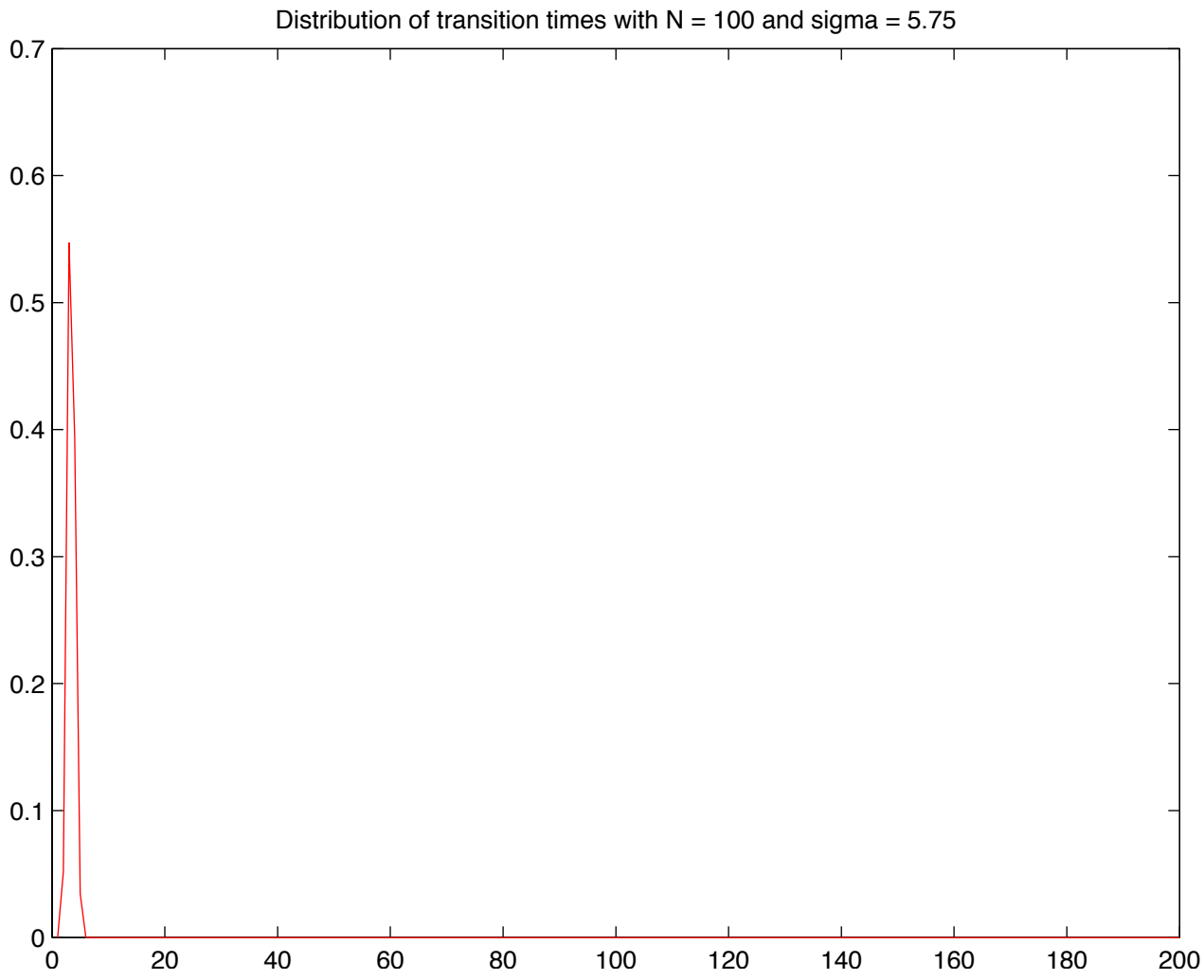

Individual run with N = 100 and sigma = 5.5 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200


Histogram of end velocity with N = 100 and sigma = 5.5
45
40
35
30
25
20
15
10
5
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2


Distribution of transition times with N = 100 and sigma = 5.5
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100
120
140
160
180
200


Individual run with N = 100 and sigma = 5.75 averaged over 60 runs
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120
140
160
180
200


Histogram of end velocity with N = 100 and sigma = 5.75
45
40
35
30
25
20
15
10
5
0
−0.2
0
0.2
0.4
0.6
0.8
1
1.2


Distribution of transition times with N = 100 and sigma = 5.75
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
20
40
60
80
100
120
140
160
180
200