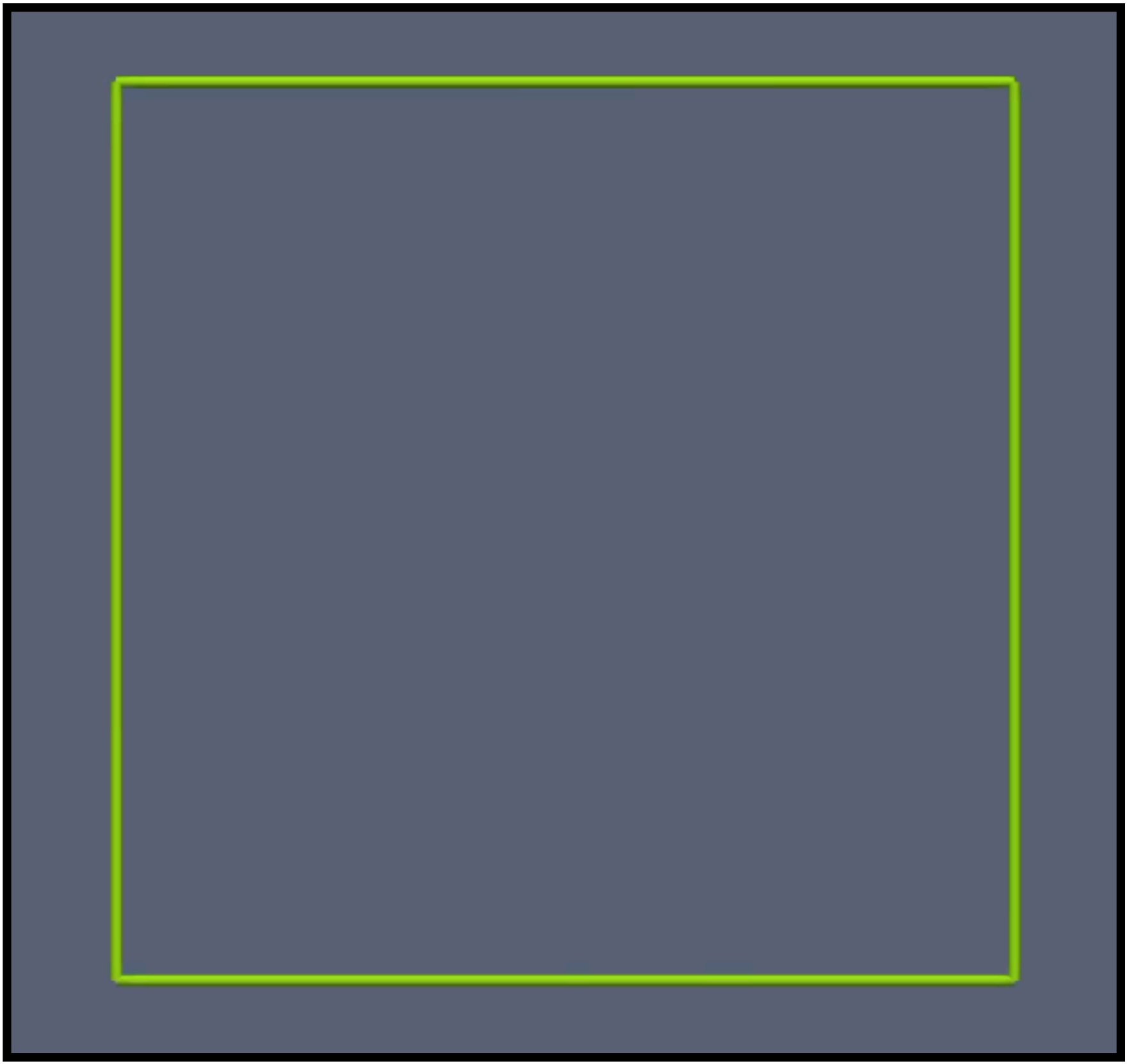
Collision Induced Catastrophe (CIC) Boundary

- In the sample we have long-time behavior of vertical alignment.

- Other modes of alignment are also possible.

Square Domain Shape Simulation Results

52



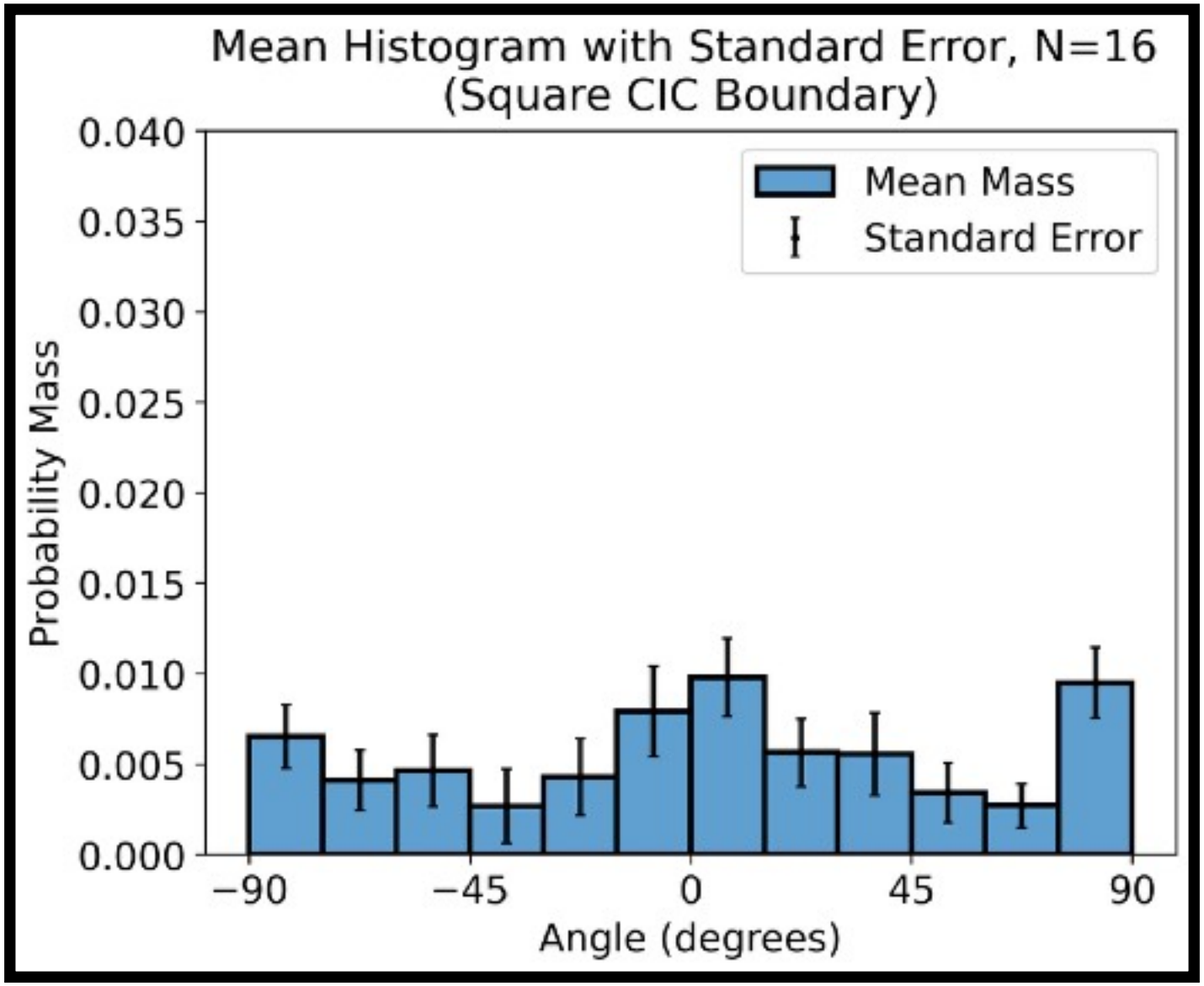
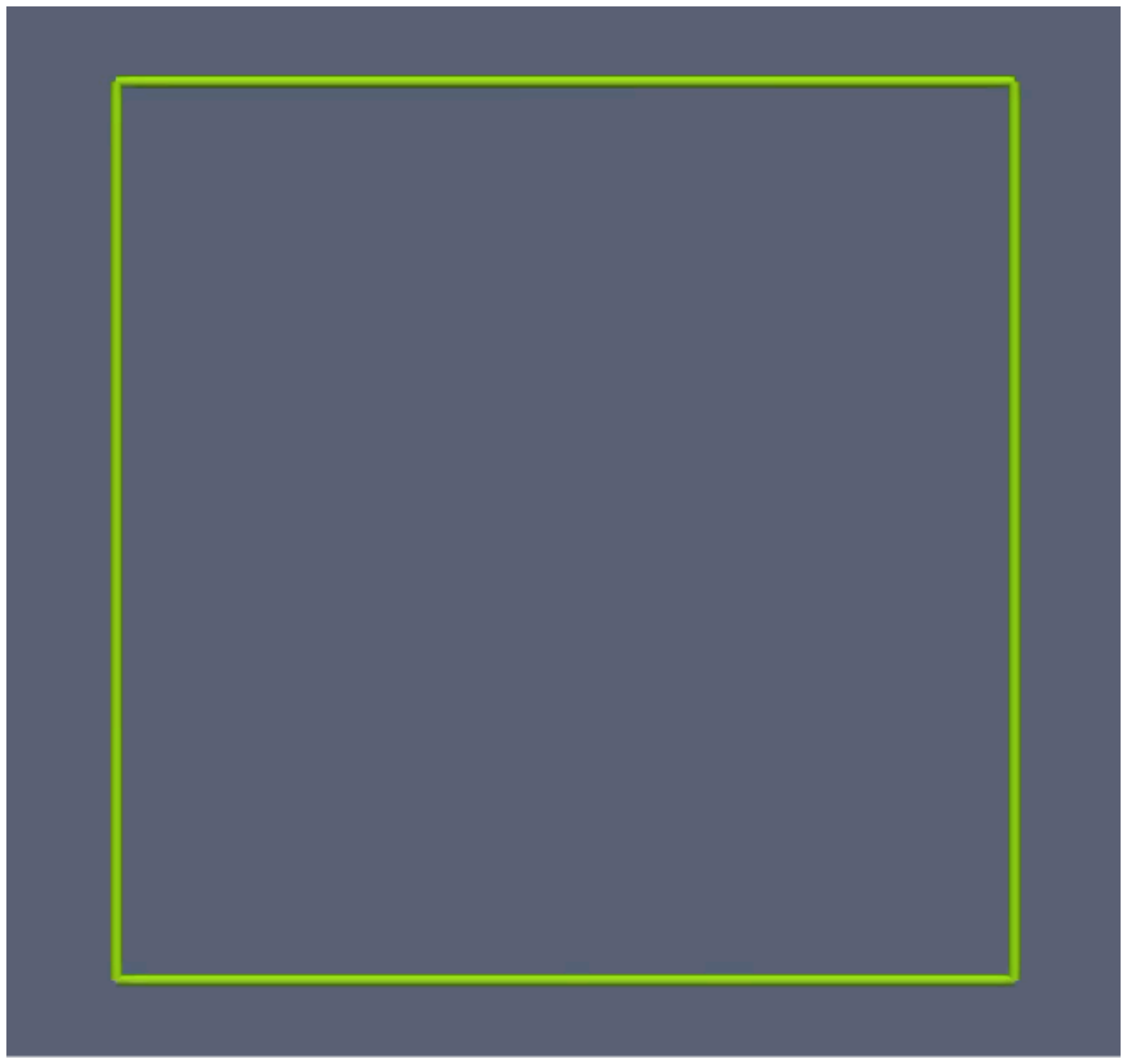

Mean Histogram with Standard Error, N=16
(Square CIC Boundary)
Mean Mass
Standard Error
Probability Mass
0.040
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0.000
−90
−45
0
45
90
Angle (degrees)

Figure 45: Histogram estimating the mass function for array orientation.

Figure 46: Sample of a network used to compute the orientation histogram with long-time behavior of vertical alignment.



Square Domain Shape Simulation Results

Collision Induced Catastrophe (CIC) Boundary

- In the sample we have long-time behavior of vertical alignment.
- Other modes of alignment are also possible.

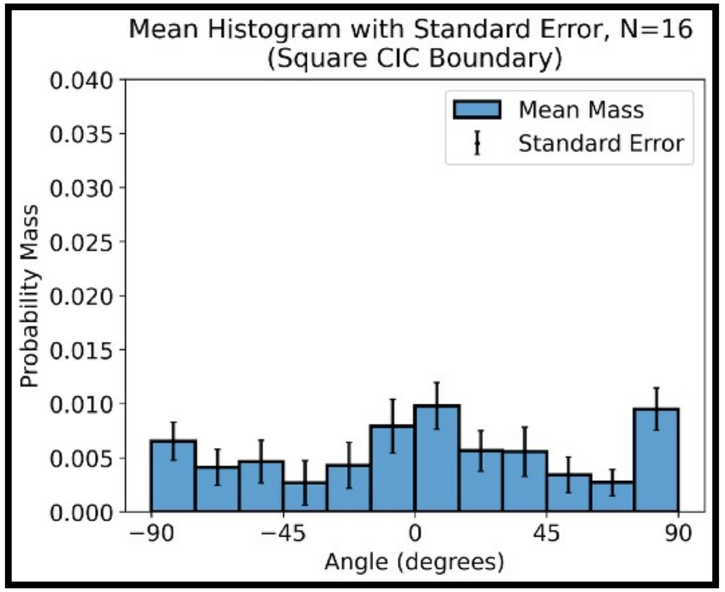


Figure 45: Histogram estimating the mass function for array orientation.

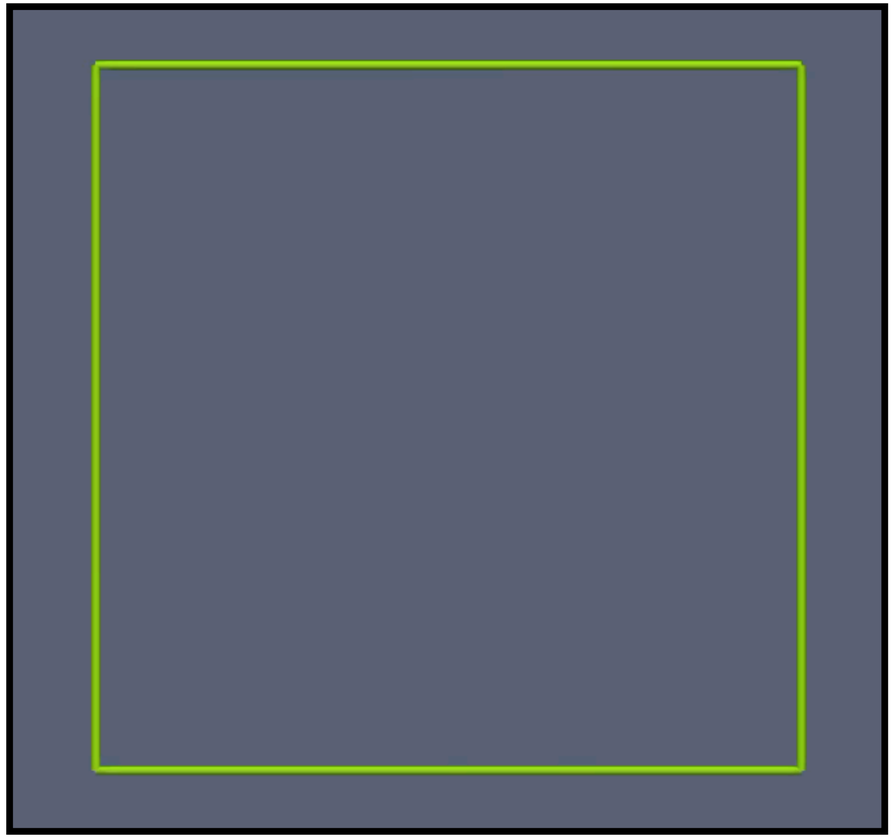


Figure 46: Sample of a network used to compute the orientation histogram with long-time behavior of vertical alignment.

Square Domain Shape Simulation Results

Crossover, and CLASP Mediated Boundary

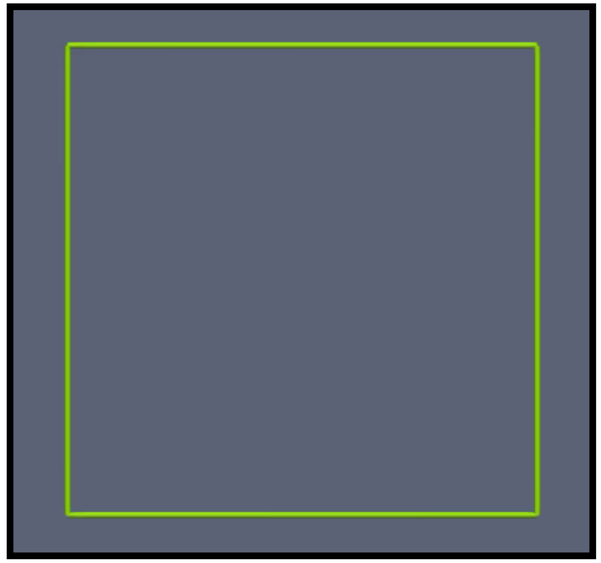


Figure 47: Sample of a network used to compute the orientation histogram, with long-time behavior of network-like behavior.

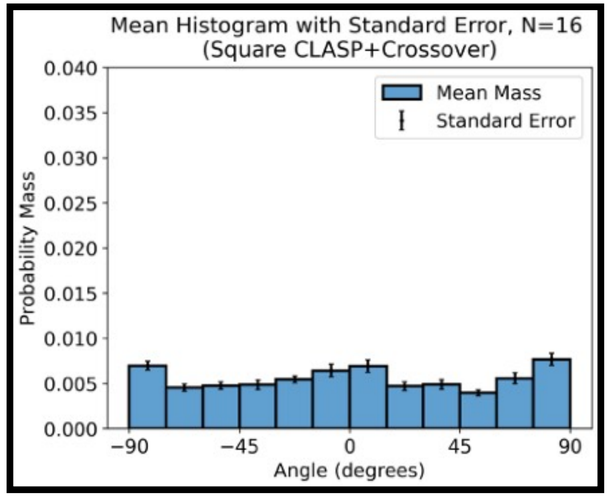


Figure 48: Histogram estimating the mass function for the crossover experiment, which is relatively flat with small error bars.

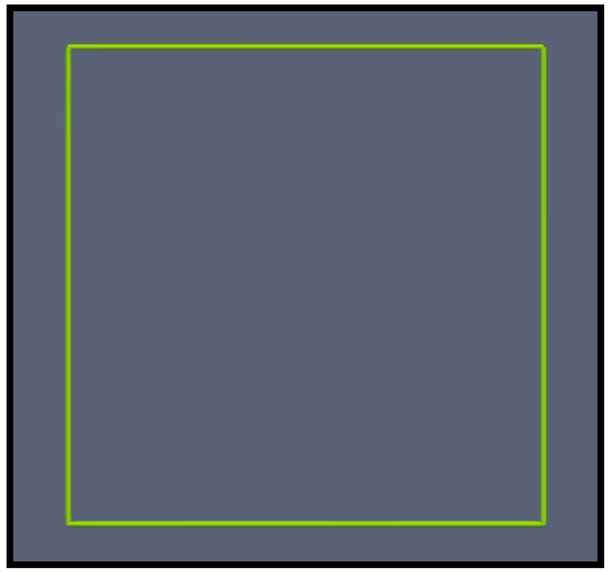


Figure 49: Sample 7 from the CLASP 30 experiment.

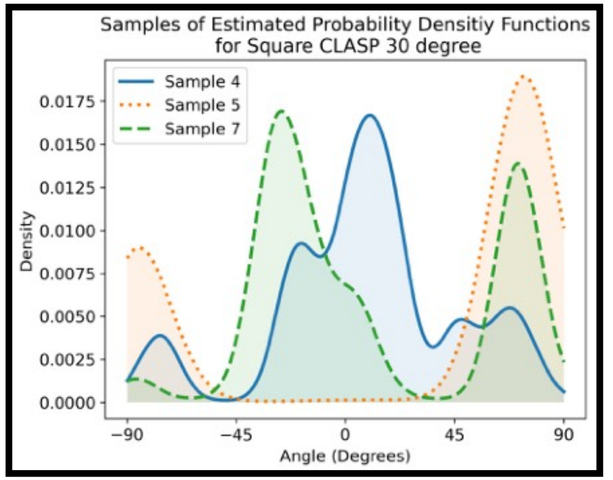


Figure 50: Kernel density estimation for three samples of the square CLASP 30 experiment. Different modes of orientation exist.