

Square Domain Shape Simulation Results

All Local and Global Correlations

- Key results:
 - Crossover is uncorrelated locally and globally.
 - All other experiments indicate highly correlation locally.
 - All other experiments indicate some correlation globally.
 - The lower correlations are likely the result of multiple modes of orientation, along with mixture modes.

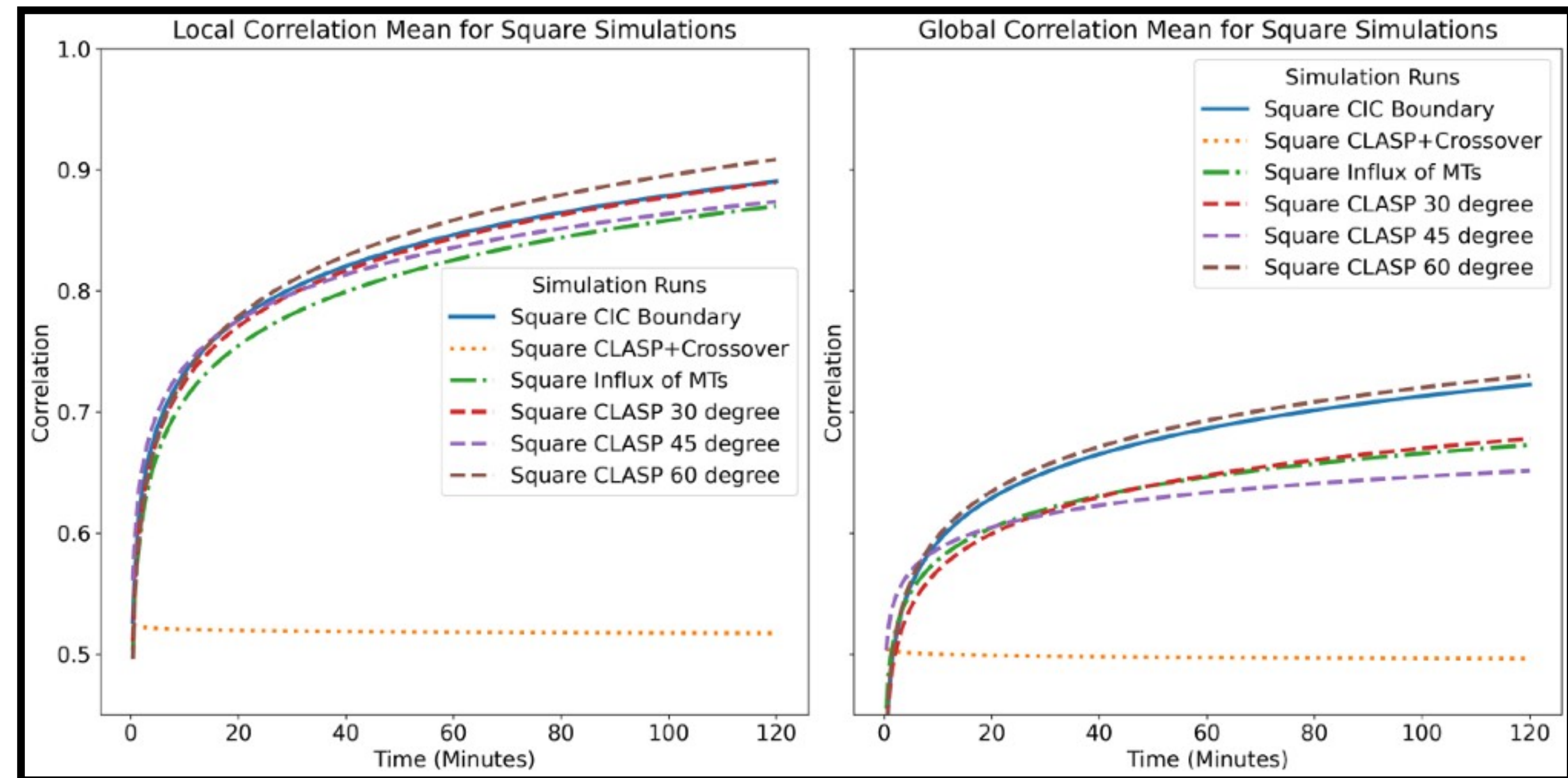


Figure 44: The plot contains the a best-fit logarithmic curves for the 120 minute range of interest fitted to the local and global mean correlation over time for each of the square simulation experiments.

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.

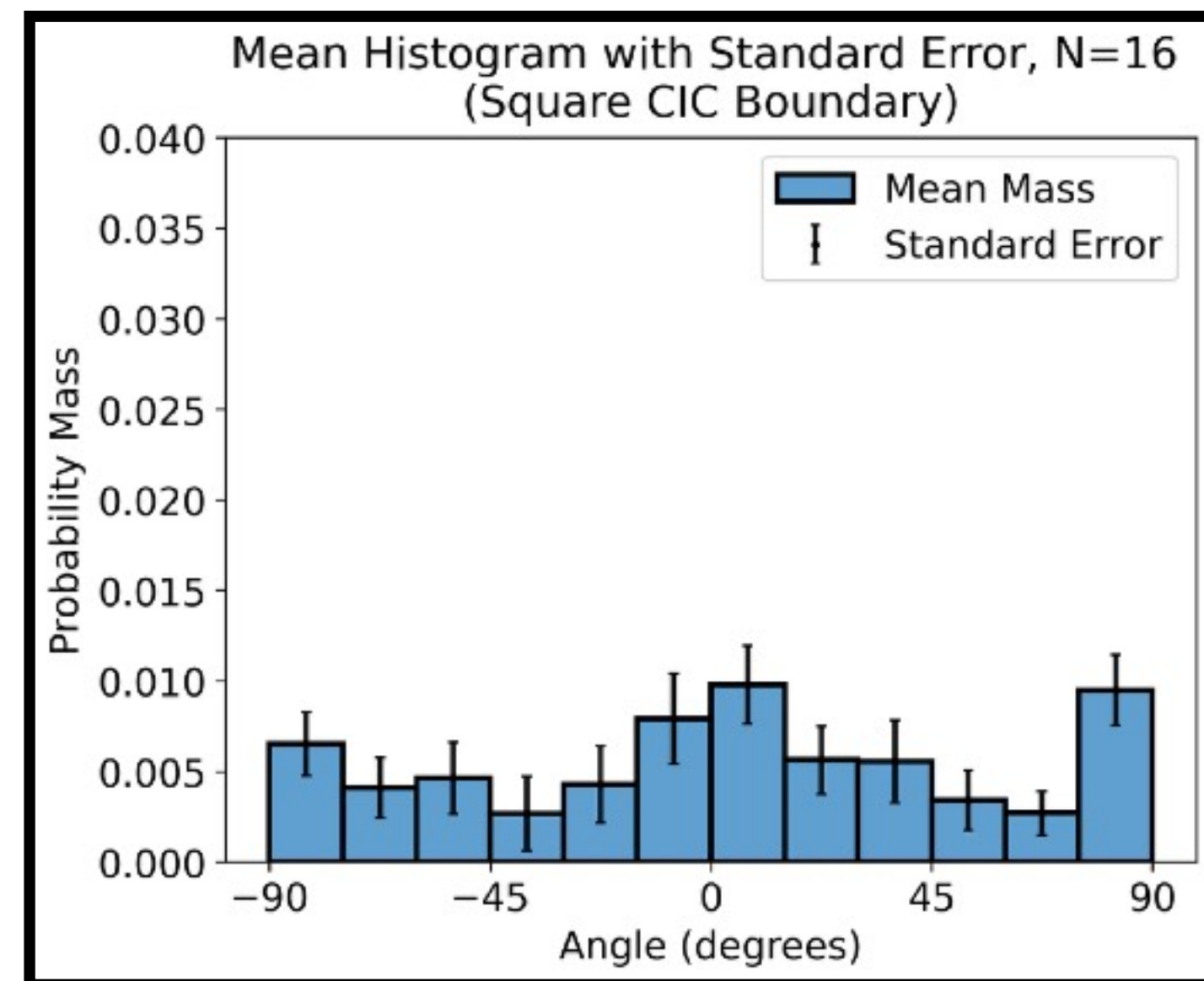


Figure 45: Histogram estimating the mass function for array orientation.

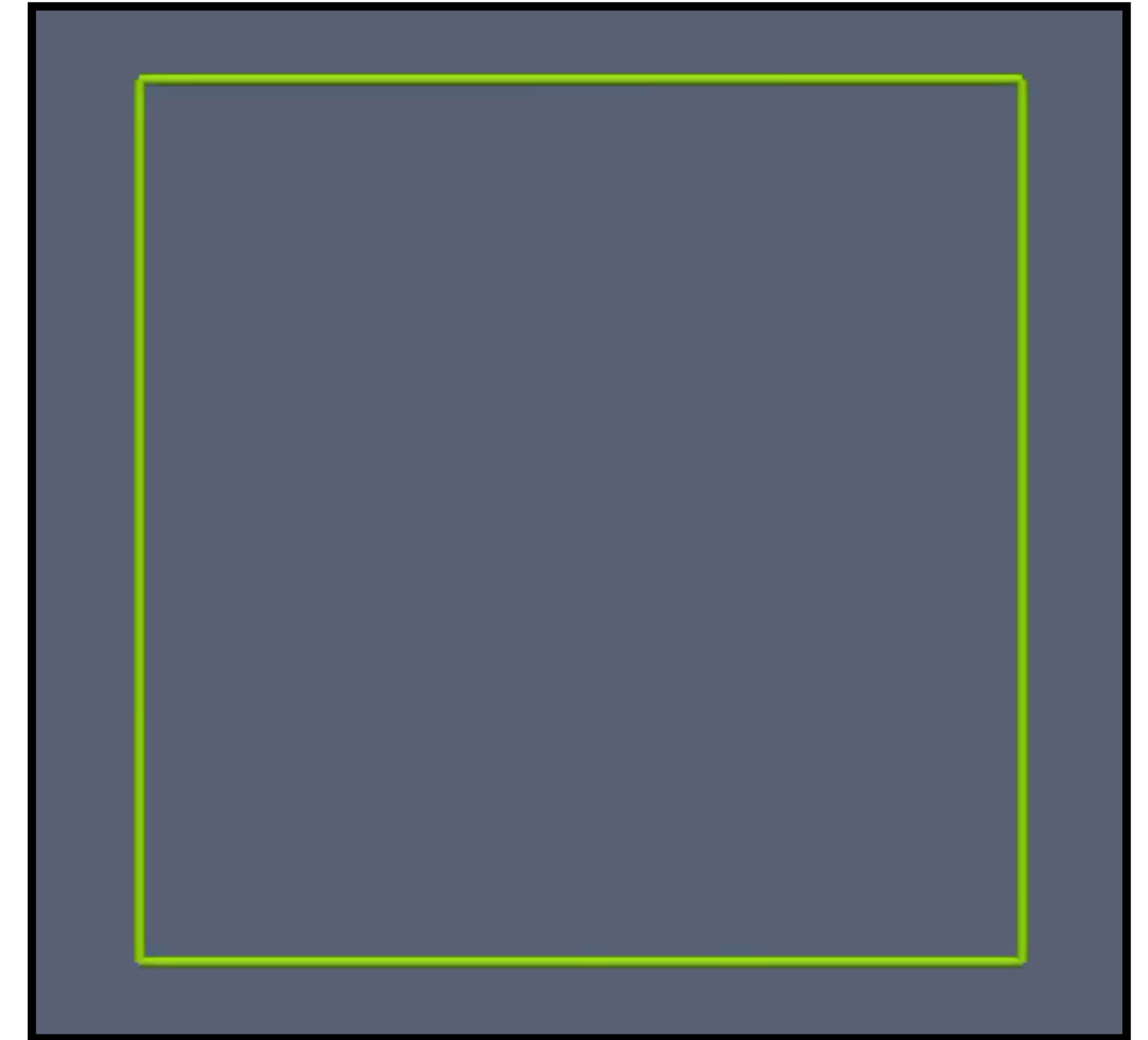


Figure 46: Sample of a network used to compute the orientation histogram with long-time behavior of vertical alignment.