Rectangular Domain Shape Simulation Results

Local and Global Correlations

- Key results:
  - Crossover is uncorrelated locally and globally.
  - All other experiments indicate high correlation locally.
  - CIC boundary and influx have reasonably high global correlation, but different orientations.
  - CLASP 30, 45, and 60 have lower global correlation and mixtures of orientations.

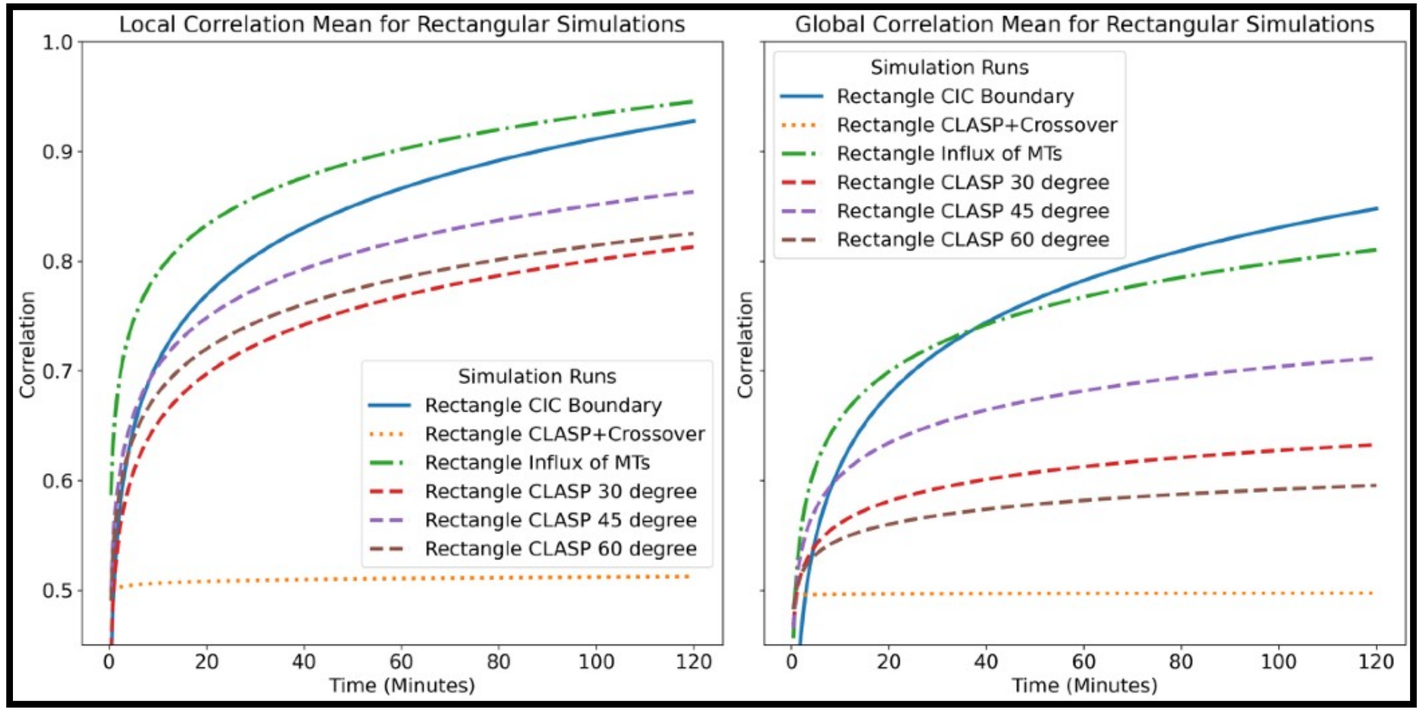

Figure 51: The plot contains the a best-fit logarithmic curves for the 120 minute range of interest fitted to the local and global mean correlation over time for each of the rectangular simulation experiments.

Rectangular Domain Shape Simulation Results

Arrays in rectangular domains may reorient with different boundary conditions.

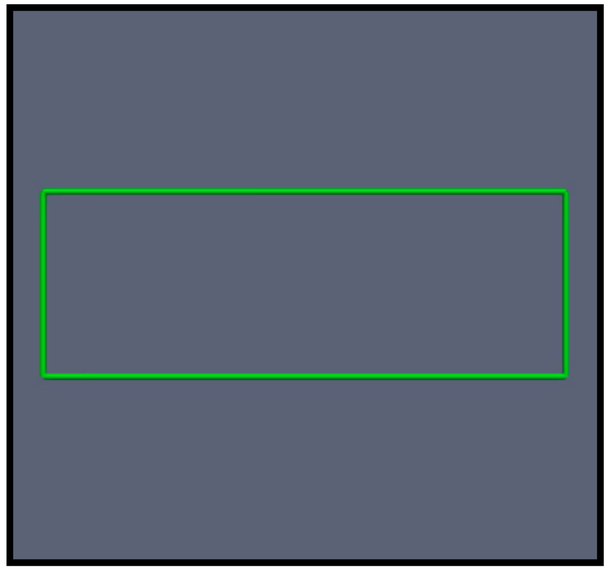

Figure 52: Sample of a network used to compute the orientation histogram, with alignment biased towards the long horizontal axis.

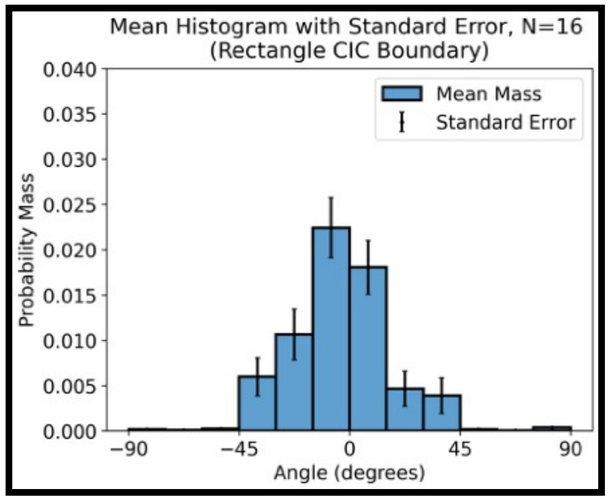

Figure 53: Histogram estimating the mass function for the CIC boundary, with angles biases towards the long axis.

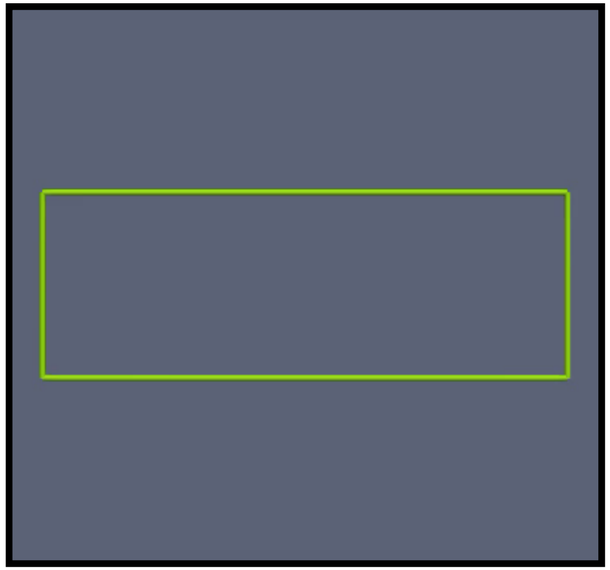

Figure 54: Sample of a network used to compute the orientation histogram, with alignment biased towards the short vertical axis.

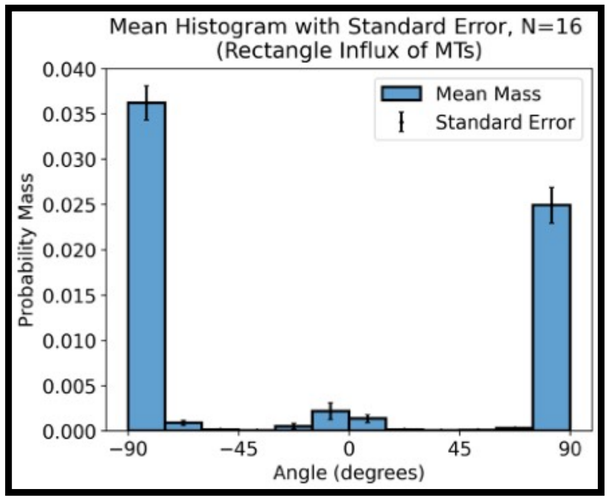

Figure 55: Histogram estimating the mass function for the influx boundary, with angles biases towards the short axis.