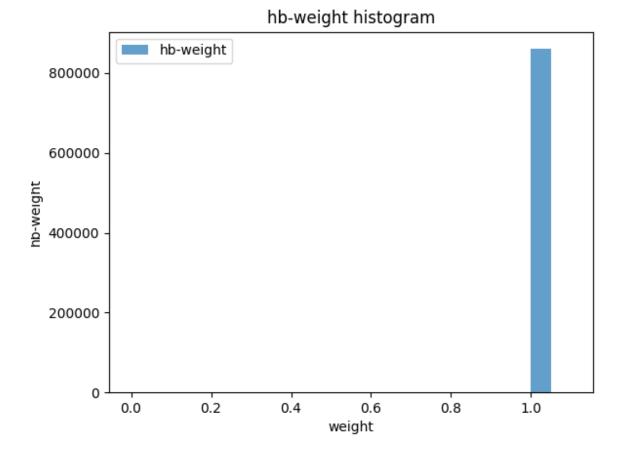
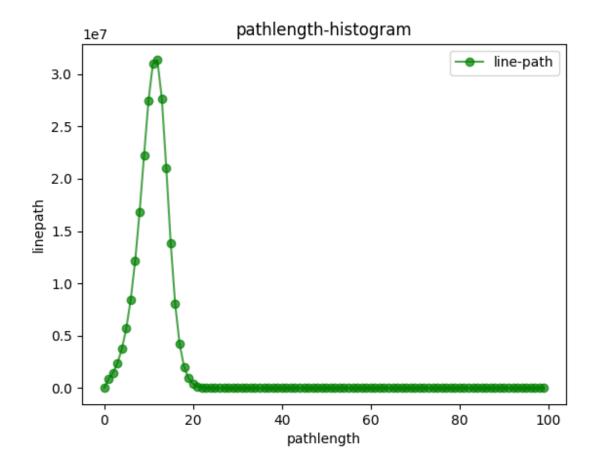
## ORIGINAL CODE PLOTS

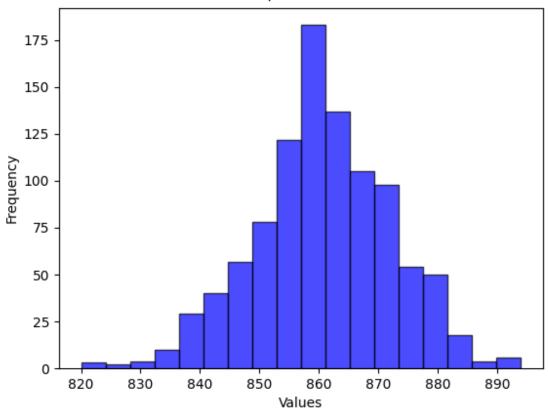


HB Sum of weights



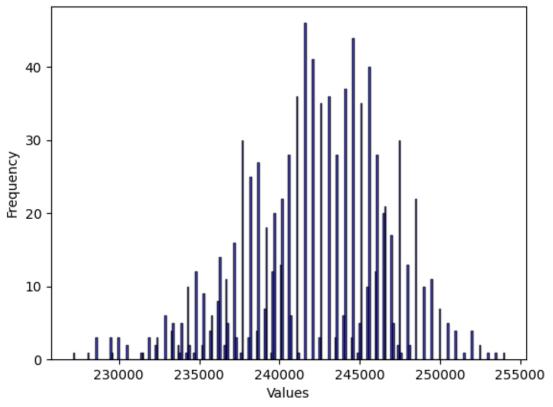
Path Length Histogram

Number of HBonds Mean: 860.595, Variance: 133.648975

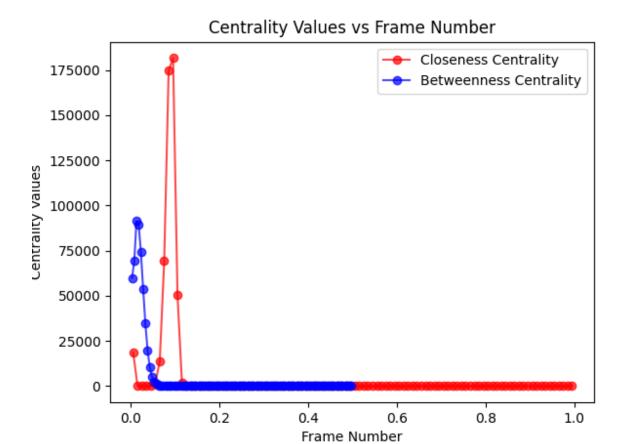


Number of Hbonds Histogram

Number of Paths Mean: 242105.763, Variance: 20458334.170831002

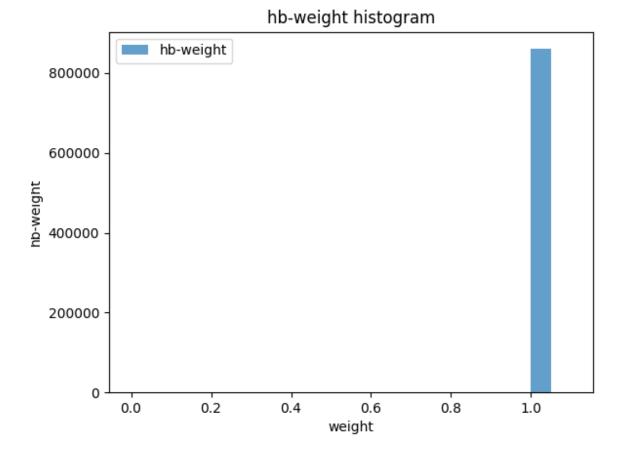


Number of Paths Histogram

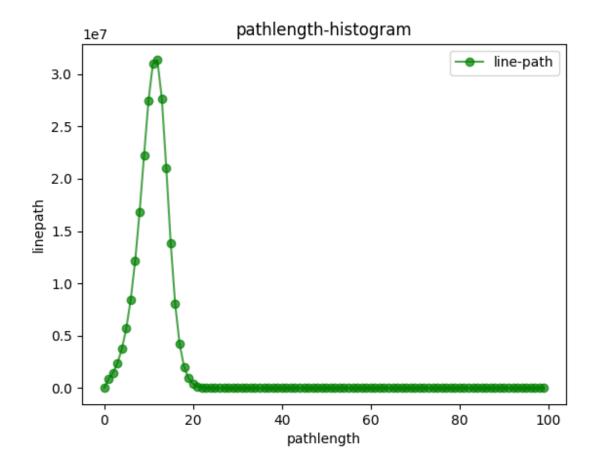


Centrality Values Histogram

## KD-TREE OPTIMISATION

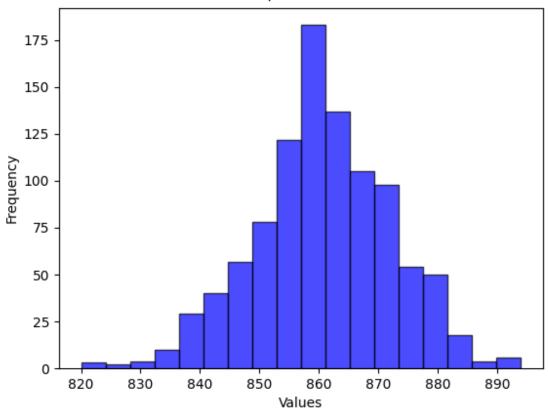


HB Sum of weights



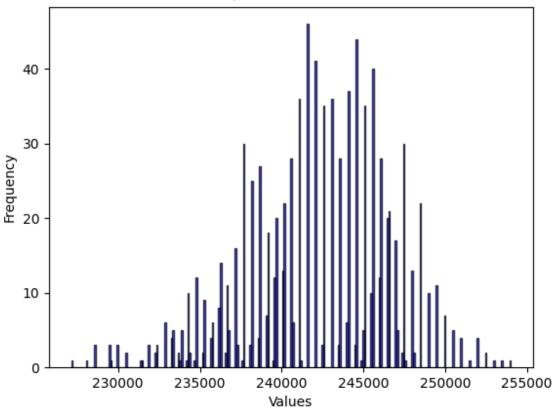
Path Length Histogram

Number of HBonds Mean: 860.595, Variance: 133.648975

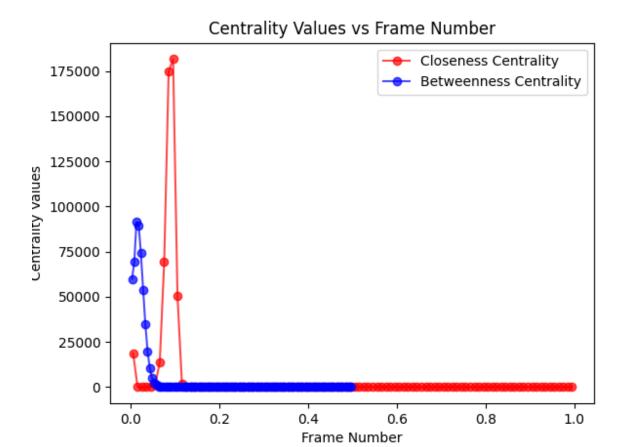


Number of Hbonds Histogram

Number of Paths Mean: 242105.763, Variance: 20458334.170831002

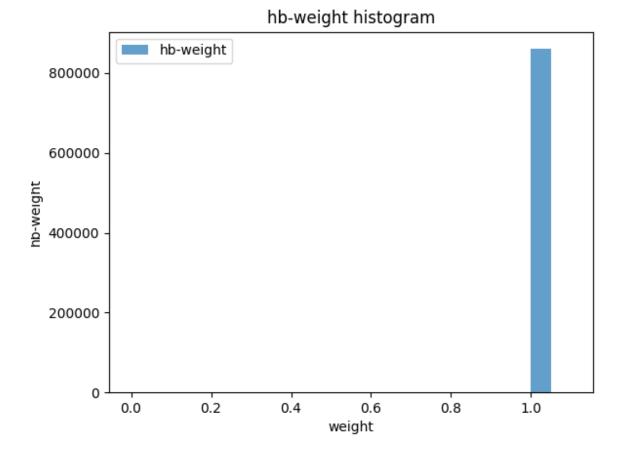


Number of Paths Histogram

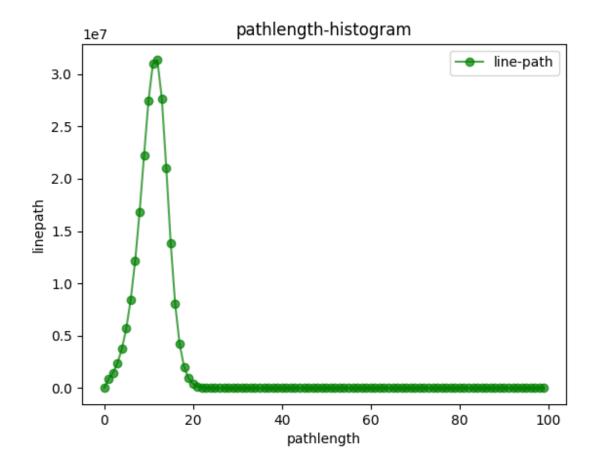


Centrality Values Histogram

## THREADING OPTIMISATION

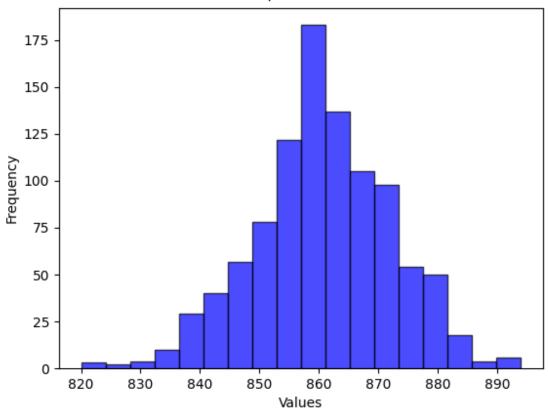


HB Sum of weights



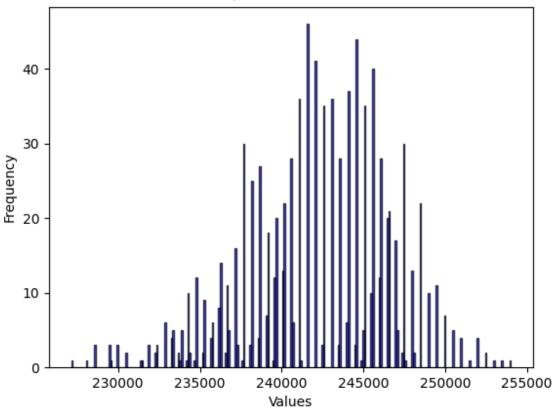
Path Length Histogram

Number of HBonds Mean: 860.595, Variance: 133.648975

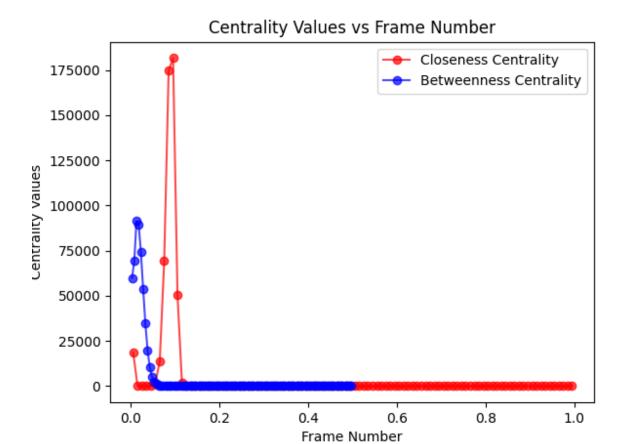


Number of Hbonds Histogram

Number of Paths Mean: 242105.763, Variance: 20458334.170831002



Number of Paths Histogram



Centrality Values Histogram