Cluster size over regiemes, $L = 128$, 500 samples
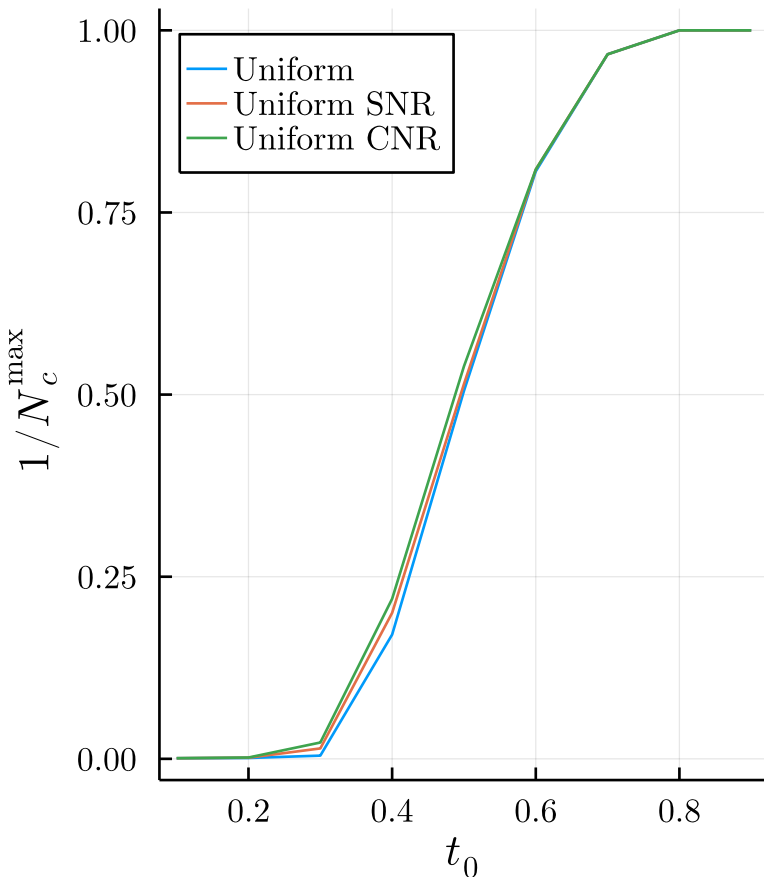
Maximum of number of clusters

k/N where maximum was reached