To do 21/07/2014: for the summary of methods used for the grant proposal

1. [simulation] Make a figure containing 1,2, and 3 loops. Simulate with Fixed position of the loops (no averaging, fixed position in 64 beads chain )
2. [simulation] Connect bead I and j, and add connectors inside the loop between them
3. [simulation] For the case of one TAD with ‘tail’, find the drop of encounter probability inside and outside of the TAD region
4. [simulation] Show the case of two TADs with variable loops in figures.
5. [simulation] Write down the 6(?) cases of loops between A,B,C, points on a polymer simulate the conditional prob. To meet A-C before A-B, and the conditional mean first passage time
6. [graphics] Add normal (linear) scale to figures
7. [graphics] In figure 21 in the summary of findings write (beta)
8. [graphics] Put figure with one TAD and one with one TAD+tail, and two TADs, in parallel
9. [graphics]Group figures belonging to the same experiment (in subfigures)
10. [graphics] Add snapshots of interesting simulations
11. [graphics] Make a cartoon of the looped polymer with internal connectors inside the loop
12. [document] Summarize the Rouse model I’ve done
13. [document] Summarize and produce1-2 figures of the simulation framework

To do 26/08/14 for the summary of the article

1. Figure order: from the grant document that David sent me: figure 1 should be figure 3A. figure 2 should be figure 3C (with a loop), figure 3 should be figure 4 (put the loop in the center of the polymer)
2. [calculation] use Assaf’s article and the eigenvalues found for the Rouse ring to calculate the mean encounter time between two monomers in the ring