Modeling chromosomes during meiosis in fission yeast

Wenwen Huang

January 6, 2015

1 Introduction

The square mean position of every bead writes

$$\langle \mathbf{r}_i \rangle^2 = T^2 \left(\log \left(\frac{\mu}{T \sinh\left(\frac{\mu}{T}\right)} \right) - \log \left(\frac{i-\mu}{T \sinh\left(\frac{1}{T}\left(i-\mu\right)\right)} \right) \right)^2 \qquad (1)$$

where T is the dimensionless temperature and μ is chemical potential, i.e. $\mu = (N+1)/2$ in our case.