1099-92-250   **Javier Arsuaga*** (`jarsuaga@sfsu.edu`), Mathematics Department, San Francisco State University, San Francisco, CA 94132. *Topological analysis of chromosome conformation capture data.* Preliminary report.

Chromosome conformation capture data provides an unprecedented opportunity to analyze the three dimensional organization of genomes. The richness of the data, the apparently endless trajectories that explain the data and their accuracy call for new mathematical methods. In this talk I will present topological tools we are developing for analyzing three dimensional reconstructions of the genome. (Received February 10, 2014)