GEOMETRIC MODELS OF BIOLOGICAL PHENOMENA

Workshop Schedule

Sunday, June 1, 2003
9:00 am – Joe Felsenstein: Tutorial on biology/tress
11:00 am – Martin Bridson: Tutorial on spaces with distances
2:00 pm – David Penny
3:30 pm – Discussion: Biological Issues (moderator: John Luecke)

Monday, June 2, 2003
9:00 am – Persi Diaconis: Tutorial on prob/stat
11:00 am – Robin Forman: Tutorial on combinatorics of trees
2:00 pm – John Huelsenbeck: Introduction to Bayesed Inference Phylogenies
3:30 pm – Discussion: Combinatorial Issues (moderator: Michelle Wachs)

Tuesday, June 3, 2003
9:00 am – Susan Holmes: Statistics in the Space Binary Trees
11:00 am – Steve Evans: R-Trees, Root Growth and Regrafting
2:00 pm – Yuliy Baryshnikov: Around Arrow
3:30 pm – Discussion: Prob/Stats Issues (moderator: Ruth Charney)

Wednesday, June 4, 2003
9:00 am – David Aldous: Stochastic Models for Macro Evolution
11:00 am – Elchanan Mossel: Phase Transistions in Phylogeny
2:00 pm – David Epstein: Computing the BHU Metric
2:30 pm – John Endler: Geometric Aspects of Color Aspect Evolution
3:30 pm – Discussion: Geometric Issues (moderator: John Shareshian)

Thursday, June 5, 2003
9:00 am – Elliot Sober: The Contest Between Likelihood and Parsimany
9:45 am – Discussion
11:00 am – Berend Snel: Orthology and Generae Phylogenies
2:00 pm – Philippe Vert: Kernels for Phylogenetic Trees
3:00 pm – Evaluations
3:30 pm – Katherine St. John: Building and Visualizing Trees
3:50 pm – Discussion: Wrap-up