

STANFORD UNIVERSITY  
DEPARTMENT OF STATISTICS  
JOINT STATISTICS/BIOSTATISTICS SEMINAR

4:15 p.m., Tuesday, March 29, 2004  
Sequoia Hall Room 200  
(Cookies at 3:45 in 1st Floor Lounge)

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**Phylogenetic Invariants**

Abstract:

There has been considerable recent progress in understanding the polynomial equations which describe statistical models of evolution. We discuss these polynomials and their applications for the general Markov model on a tree, and for a class of phylogenetic models (Jukes-Cantor, Kimura) which are widely used in computational biology. Joint work with Seth Sullivant.