

Department of Applied Mathematics and Statistics
The Johns Hopkins University

SEMINAR

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Friday, October 14, 2005
304 Whitehead Hall
Refreshments: **10:30 a.m.**
Seminar: **11:00 a.m.**

INITIAL STEPS ON FINITE GRAPHS FOR BIOPHYSICS

ABSTRACT

This talk will present ongoing research that is looking for connections from random walks on finite graphs to problems in biophysics. The presentation will present several example problems and conceptual work on others. A main example will be the probability and sampling issues related to application of non-equilibrium work-based methods to free energy differences. Additional discussion will be related to problems of conformational change and structure prediction.