THE UNIVERSITY   OF HONG KONG

Department of Mathematics

Numerical Mathematics and Applied Analysis Group Seminar (NMAA)

Probabilistic Boolean networks and the approximation of steady-state distributions

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on Thursday, February 9, 2012 at 4:00pm
in Room 309, Run Run Shaw Building, HKU

Abstract

Among the various attempts to model genetic regulatory networks, Probabilistic Boolean networks (PBN) is a ruled-based model that is able to cope with the uncertainties in genetic activities while allowing a systematic study of global networks dynamics. In this presentation, I will briefly introduce various aspects of PBN model and an approximation method of its stationary probabilistic distribution.

All are welcome