

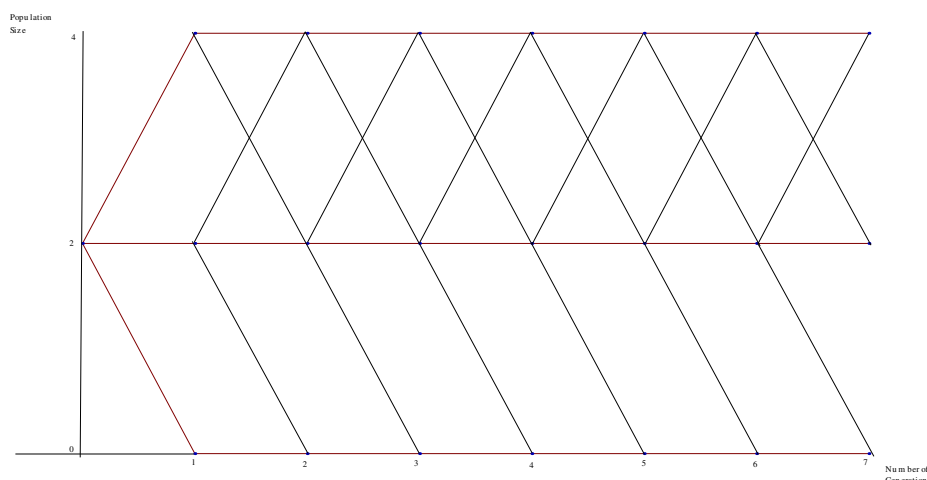
Secret Student Seminar

Experimental Algebra & Geometry Lab

On binary splitting branching process with upper barrier

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Abstract

The expected absorption times, distributions of time to extinction and total progeny for a binary splitting branching process with an upper barrier of $C = 4$ were examined. The theory of branching process allowed for the study of the probability that the process eventually reaches an absorbing state and how long it will take for the process to be absorbed. Using methodology for a three state Markov chain, we investigate in detail the behavior of the above process' characteristics as functions of the splitting probability.

Date: Friday, March 28

Time: 2:00pm–3:00pm

Place: MAGC 1.302

Pizza and soda will be served at the presentation.