Ryoki Fukushima (Tokyo Institute of Technology, Japan)

On exponential growth for a certain class of linear systems.

ABSTRACT: We consider a class of stochastic growth models on the integer lattice including the number of open paths in oriented percolation and the binary contact path process for example. Under a mild assumption, we characterize when the total mass of the process grows exponentially.

(Based on joint work with Nobuo Yoshida (Kyoto University).)