



THE UNIVERSITY OF  
**CHICAGO**

DEPARTMENT OF STATISTICS

## MASTER'S THESIS PRESENTATION

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Discrete beta-corners processes on  $q$ -lattice via two-level Nekrasov equations

THURSDAY, April 27, 2023, at 2:30 PM  
Jones 304, 5747 S. Ellis Avenue

### ABSTRACT

The goal of the paper is to extend the discrete two-level beta-corners processes introduced by Dimitrov and Knizel to  $q$ -lattices. We prove a law of large numbers for their top-level marginal distributions and propose Nekrasov's equations that may be used to further analyze their global fluctuations.