



THE UNIVERSITY OF
CHICAGO

Department of Statistics

SECOND YEAR PHD MINI SEMINARS

RISHIDEEP ROY

Department of Statistics
The University of Chicago

Extreme Values for Log-correlated Gaussian Fields

THURSDAY, May 9, 2013, at 4:00 PM

110 Eckhart Hall, 5734 S. University Avenue

ABSTRACT

We will study the extreme values for log-correlated discrete Gaussian fields on boxes of any fixed dimension. I will first discuss two-dimensional discrete Gaussian free fields, reviewing recent works on the tightness of the re-centered maximum and the convergence in law. Then I will present an on-going work which aims to extend these results to general log-correlated Gaussian fields, of which the Gaussian membrane model at the critical dimension is a particular example.

For information about building access for persons with disabilities, please contact Matt Johnston at 773.702-0541 or send an email to mhj@galton.uchicago.edu. If you wish to subscribe to our email list, please visit the following web site: <https://lists.uchicago.edu/web/arc/statseminars>.