THE 42ND MIDWEST PROBABILITY COLLOQUIUM

October 9-10, 2020

(Central Daylight Time, Chicago, United States, UTC-5)

Friday, October 9, 2020

08:25AM - 08:55AM Waiting Room and Check-in
08:55AM - 09:00AM Opening Remarks (Elton Hsu)
(Chair: Greg Lawler)

09:00AM - 09:45AM Hugo Duminil-Copin (Institut des Hautes Etudes Scientifiques)
Random Current Representation of the Ising Model and its Application to
Gaussianity in High Dimensions, Part I

09:45AM - 10:00AM Break

10:00AM - 10:45AM Hugo Duminil-Copin (Institut des Hautes Etudes Scientifiques)
Random Current Representation of the Ising Model and its Application to
Gaussianity in High Dimensions, Part II

10:45AM - 11:00AM Break

11:00AM - 11:45AM Sylvia Serfaty (New York University)
Microscopic Description of Coulomb-type Systems, Part I

11:45AM - 12:00PM Break

12:00PM - 12:45PM Ivan Corwin (Columbia University)
Johansson’s Conjecture is False on a Set of Times of Hausdorff Dimension 2/3

Saturday, October 10, 2020

(Chair: Antonio Auffinger)

08:30AM - 09:00AM Waiting Room and Check-in

09:00AM - 09:45AM Sylvia Serfaty (New York University)
Microscopic Description of Coulomb-type Systems, Part II

09:45AM - 10:00PM Break

10:00AM - 10:45PM Jean-Christophe Mourrat (New York University)
Mean-field Spin Glasses: Beyond Parisi’s Formula?

10:45AM - 11:00AM Break

11:00AM - 11:45AM Will Perkins (University of Illinois at Chicago)
Analyticity for Classical Gasses via Recursion