UCCS Department of Mathematics
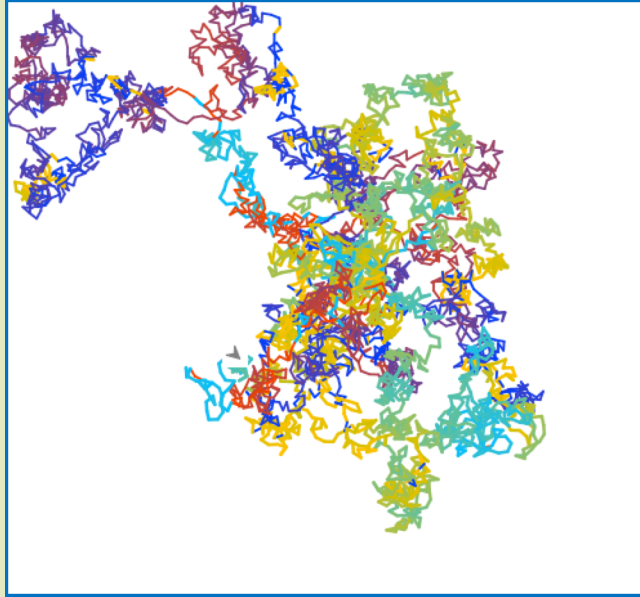# Math Colloquium Series

DR. XINYI LI
UNIVERSITY OF CHICAGO

DATE:
APRIL 4, 2019

TIME:
12:30PM-1:30PM
(REFRESHMENTS AT 12:15PM)

LOCATION:
OSB #A204

Natural parametrization for loop-erased random walk in three dimensions

Abstract: In this talk, I will talk about some recent progress on loop-erased random walk (LERW), a model that plays a central role in statistic physics. I will start with a brief introduction to this model. I will talk about its basic properties and discuss its behavior in different dimensions. Then, I will focus on the case of three dimensions and talk about its convergence in natural parametrization to its scaling limit. This is joint work with Daisuke Shiraishi (Kyoto).

For More Information please contact the UCCS Math Department at
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