Probability Seminar

The scaling limit of the loop-erased random walk Green's function

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Tuesday, March 22, 2016
2:30-3:30pm, Wachman Hall (Temple)

We show that the probability that a planar loop-erased random walk passes through a given edge in the interior of a lattice approximation of a simply connected domain converges, as the lattice spacing goes to zero, to a multiple of the SLE(2) Green's function. This is joint work with Greg Lawler and Fredrik Viklund.