Stochastic Loewner Evolution and Scaling Limits August 04–09, 2008 Évolution de Loewner stochastique et limites d'échelle 04–09 août, 2008

Partition functions and SLE

Gregory F. Lawler

Department of Mathematics University of Chicago 5734 S. University Avenue Chicago, IL 60637 USA

lawler@math.uchicago.edu

Abstract

This will somewhat of a survey talk discussing the general question of defining various versions of SLE (multiple SLEs, SLE in nonsimply connected domains) and the role of (normalized) partition functions, Brownian measures, and Girsanov in the definitons.