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Nina Holden* (ninah@math.mit.edu). *Percolation-decorated triangulations and their relation with SLE and LQG.*

The Schramm-Loewner evolution (SLE) is a family of random fractal curves, which have been proven or conjectured to be the scaling limit of a variety of two-dimensional lattice models in statistical mechanics. Liouville quantum gravity (LQG) is a model for a random surface which is the proven or conjectured scaling limit of discrete surfaces known as random planar maps (RPM). We study percolation-decorated RPM and their relation with SLE-decorated LQG. Based on a joint work with Olivier Bernardi and Xin Sun. (Received February 07, 2017)