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Level lines of Gaussian Free Field

The relationship between SLE and GFF is at the heart of recent breakthroughs in random conformal geometry. The work by Oded Schramm, Scott Sheffield, and Julien Dubedat shows that the level lines of GFF are SLE(4) curves. In this talk, we first explain what is the level line of GFF. Second, we explain the geometric properties of boundary emanating level lines. Finally, we discuss the geometric properties of interior emanating level lines.