

Last Passage Percolation in \mathbb{R}^2

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We will introduce Last Passage Percolation (LPP) in \mathbb{R}^2 , derive the corresponding shape function and the existence of semi-infinite geodesics. From this, we will define Busemann functions and show their relationship to stationary measures corresponding to LPP. If time permits, we will look at consequences for second class particles and cube-root fluctuations.