

## **Busemann functions and infinite geodesics in planar stochastic growth**

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We discuss the interplay between the Busemann process, the shape function, infinite geodesics, and critical angles in the standard planar corner growth model, that is, nearest-neighbor directed last-passage percolation. We begin with the case of IID exponential weights where a complete description of all infinite geodesics has been established, then look at anomalies produced by inhomogeneous parameters, and lastly discuss partial results thus far achieved for general IID weights. Based on collaborations with M. Balazs, O. Busani, E. Emrah, W.L. Fan, C. Janjigian, F. Rassoul-Agha, X. Shen.