Local universality of the time-time covariance for last passage percolation with generic initial profiles

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We consider time correlation for KPZ growth in 1+1 dimensions in a neighborhood of a characteristics. We prove convergence of the covariance with droplet, flat and stationary initial profile. Furthermore, we prove the local universality when the two observation times are macroscopically small. This result holds also for random initial profiles which are not necessarily stationary. This is a joint work with Alessandra Occelli, Math. Phys. Anal. Geom. (2019), 22:1.