Stationary half-space last passage percolation

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We present our result on stationary last passage percolation in half-space geometry. We determine the limiting distribution of the last passage time in a critical window close to the origin. The result is a new two-parameter family of distributions: one parameter for the strength of the diagonal bounding the half-space and the other for the distance of the point of observation from the origin. It should be compared with the one-parameter family giving the Baik–Rains distributions for full-space geometry.
Joint work with D. Betea and P. Ferrari.

This submission is for a invited session