

## **abstract**

Joint Princeton Mathematical Physics Seminar  
Topic:

Speaker:

Affiliation:

Date:

Time/Room:

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It has been conjectured in numerous physics papers that in ordinary first-passage percolation on integer lattices, the fluctuation exponent  $\chi$  and the wandering exponent  $\xi$  are related through the universal relation  $\chi = 2\xi - 1$ , irrespective of the dimension. This is sometimes called the KPZ relation between the two exponents. I will give a rigorous proof of this conjecture assuming that the exponents exist in a certain sense.