

Abstract Submitted
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A Hierarchy of Multi-Lane Driven Diffusive Systems with Unfair Resource Availability¹ AYSE YESIL, CEMAL YALABIK, Bilkent University —

We present a model system for objects which have the ability to move along columns with the availability of a low entropy resource which is provided abundantly to a first column. The unused part of this resource is available to objects in neighbouring consecutive columns. This forms a hierarchy of multi-lane driven diffusive systems, which displays interesting dynamics. We present results from Monte Carlo simulations of the system.

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