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## Traffic by multiple species of molecular motors\*

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In this paper, authors study the traffic of two types of molecular motors using the two-species asymmetric simple exclusion process (ASEP).

They want to determine characteristic properties such as motor density and currents. By considering a situation that motors differ in only one parameter the condition for simple simulation is provided.

For unbinding probability mean field theory gives the correct bound density and current of the motors. At least they also study the motion of single motor where other motors are nonmoving.

\* I am going to talk about paper "traffic by multiple species of molecular motors" Yan Chai et al, *physical review E* 80, 041928(2009).

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