

Moving agents for the contact process

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Continuing previous work on a class of dynamic environments for the contact process, we investigate extinction or survival of the infection when the agents perform an exclusion process on \mathbb{Z} . This is an ongoing work in collaboration with M. Hilário, D. Ungaretti, and D. Valesin. In controlling the dependencies over the random environment a crucial role is played by the decoupling techniques of [R. Baldasso, A. Teixeira (2018). How can a clairvoyant particle escape the exclusion process? *Ann. Inst. H. Poincaré Probab. Statist.* 54:2177–2202.]. The general strategy is inspired by [M. Hilário, D. Ungaretti, D. Valesin, M. E. Vares (2022). Results on the contact process with dynamic edges or under renewals. *Electron. J. Probab.* 27.].