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Extinction time of the contact process on finite trees

We consider the contact process on finite trees. We assume that the infection rate is larger than the critical rate for the one-dimensional process. We show that, for any sequence of trees with increasing number of vertices and degree bounded by a universal constant, the expected extinction time of the process grows exponentially. Additionally, the extinction time divided by its expectation converges in distribution to the unitary exponential distribution. This is joint work with Thomas Mountford, Jean-Christophe Mourrat and Qiang Yao.