

Evolutionary Dynamics on Graphs

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The Moran process models the spread of mutations in populations on graphs. This talk discusses the model, as adapted by Lieberman, Hauert and Nowak. I will describe what is known about fixation probabilities and about the expected absorption time of the process. The talk is based on joint work with Josep Diaz, David Richerby and Maria Serna and also by joint work with these authors and with George Mertzios and Paul Spirakis.