

Quasi-stationarity and quasi-ergodicity of Markov processes

Jinwen CHEN *Tsinghua University, PRC*, E-mail: jchen@math.tsinghua.edu.cn

Abstract: We will present some results concerning quasi-stationarity and quasi-ergodicity of a Markov process. Their connection with the decay parameter of the Markov process will also be discussed. Based on these results, a variational representation of this parameter will be given.