Reliability of a system with renewable components and fast repair

BOGDAN MUNTEANU

ABSTRACT. We present several results concerning on the ergodicity property of the birth and death processes with application in reliability theory, in other words we investigate the convergence in distribution of lifetime and repair time to a standard exponential random variable.

"TRANSILVANIA" UNIVERSITY OF BRAŞOV,
DEPARTAMENT OF MATHEMATICAL ANALYSIS AND PROBABILITY,
ROMANIA
E-mail address: munteanu77@yahoo.com