Optimal Replacement Policies in Burn-in

Process for An Alternative Repair Model

V. Thangaraj

University of Madras

India.

U. Rizwam

University of Madras

India.

Abstract

In this paper, an attempt is made to study an optimal burn-in procedure that includes negligible repair times with probability p and non-negligible repair times with probability $1-p$, which follow a non-decreasing geometric process. Burn-in with some univariate optimal replacement policies and a bivariate optimal replacement policy have been discussed. Comparison of replacement policies have also been studied.

Keywords: Burn-in, Replacement Policies, Geometric Process, MRL.