Abstract

This paper deals with an \((n + 1)\)-unit warm standby system based on imperfect repair facility and two types of failures. These types of failure are hardware and human error failures. Various measures of the system reliability are obtained using the regenerative point technique. Finally, a numerical example is presented to illustrate the theoretical results.
On Reliability of \((n + 1)\)-Unit Warm Standby System based on Imperfect Repair Facility and Two Types of Failures


- E. W. Hogen, Human reliability analysis, Nuclear Safety 17 (1976), 315–326.

Index Terms

Computer Science

Applied Mathematics
Keywords
reliability  warmstandby  humanerror failure  hardware failure  availability  cost benefit.