Abstract

The research studies the availability and reliability to two systems which different due to the effect of preventive maintenance (PM), a two system analyses a two state with two type failure. The rate of failure is exponential distribution but the rate of repair is general distribution. The system resolved by supplementary technique and Laplace transforms depend on Complex imagine roots. Several measures of availability and (MTTF) of system are obtained. we analysis graphically to watch the impress of several system parameters in mean time failure and availability.

References

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**Index Terms**

Computer Science  
Information Sciences

**Keywords**

Availability, Reliability, (MTTF), Laplace transforms (L.T), supplementary technique, preventive maintenance (PM).