



Conferencia

por

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título

“Stochastic Analysis of Preventive Maintenance in Heterogeneous Populations”

Abstract:

Many different types of preventive maintenance policies have been defined in the literature and implemented in reliability practice. However, almost all models, procedures and approaches deal only with the case when items come from homogeneous populations. In this paper, we analyze the effect of preventive maintenance on reliability characteristics of items selected from heterogeneous populations, which is often the case in practice. We discuss a general definition of the conditional failure rate and apply it for describing reliability of heterogeneous items under preventive maintenance. Two models for the conditional failure rate are defined and compared. Simple, but meaningful examples, illustrating the developed approach are considered.

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