

Degradation Based Models for Repairable Systems Data

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ABSTRACT

The nonhomogeneous Poisson process is widely used for analyzing repairable systems data as it can handle a variety of intensity functions to model systems that are aging, exhibit reliability growth, etc. In this talk, we consider a somewhat parallel development of degradation based models for repairable systems data. A nonhomogeneous Gaussian process is used to model varying degradation shapes.