MATHEMATICAL MODELS AND METHODS IN RELIABILITY SET
Coordinated by Nikolaos Limnios and Bo Henry Lindqvist

"Degradation process" refers to many types of reliability models, which correspond to various kinds of stochastic processes used for deterioration modeling.

This book focuses on the case of a univariate degradation model with a continuous set of possible outcomes. The envisioned univariate models have one single measurable quantity which is assumed to be observed over time.

The first three chapters are each devoted to one degradation model. The last chapter illustrates the use of the previously described degradation models on some real data sets.

For each of the degradation models, the authors provide probabilistic results and explore simulation tools for sample paths generation. Various estimation procedures are also developed.

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