

Estimating the Life-Distribution Parameters of Weibull-Life PV Systems Utilizing Non-Parametric Analysis

Authors : Saleem Z. Ramadan

Abstract : In this paper, a model is proposed to determine the life distribution parameters of the useful life region for the PV system utilizing a combination of non-parametric and linear regression analysis for the failure data of these systems. Results showed that this method is dependable for analyzing failure time data for such reliable systems when the data is scarce.

Keywords : masking, bathtub model, reliability, non-parametric analysis, useful life

Conference Title : ICIESE 2015 : International Conference on Industrial Electronics and Systems Engineering

Conference Location : New York, United States

Conference Dates : June 04-05, 2015