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Solar panel mean square error

Overview

On the root mean square error (RMSE) calculation for parameter estimation of photovoltaic models: a novel exact analytical solution based on Lambert W function.

Abstract— This paper presents a technique for enhancing the accuracy of parameters extraction of photovoltaic (PV) cells from experimental current-voltage (I-V) curve. This technique is based on entering nearly all the possible points of an I-V curve to extract the slopes near the open circuit.

n many published 200 papers to test algorithms. Second, a novel exact analytical solution for RMSE calculation based 201 on the Lambert W function is proposed. The results obtained show the hortcomings many of 202 the reported works made with the determination of their RMSE calculations for the.

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