

Modeling and study of the InGaN/GaN photovoltaic panels

Berrah Smail

University of A/Mira of Bejaia , Faculty of Technology ,Bejaia, Algeria

E-mail : sm_berrah@yahoo.fr

Abstract:

In this study, we present a new approach based on genetic algorithms for modeling the solar panel (InGaN / GaN).

The effect of temperature and insolation are shown.

The results obtained indicate the importance and efficiency of genetic algorithms in the prediction of the characteristics I (V) and P (V) of photovoltaic panels.