

Optimization of Heterojunction Solar Cell Using AMPS-1D

Authors : Benmoussa Dennai, H. Benslimane, A. Helmaoui

Abstract : Photo voltaic conversion is the direct conversion of electromagnetic energy into electrical energy continuously. This electromagnetic energy is the most solar radiation. In this work we performed a computer modelling using AMPS 1D optimization of hetero-junction solar cells GaInP/GaAs configuration for p/ n. We studied the influence of the thickness the base layer in the cell offers on the open circuit voltage, the short circuit current and efficiency.

Keywords : optimization, photovoltaic cell, GaInP / GaAs AMPS-1D, hetetro-junction

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