Abstract

In this paper an efficient method for parameter extraction of solar cell double diode model using Artificial Bee Colony (ABC) Algorithm is presented. ABC packs solid features such as simplicity of implementation, promising optimization capability, fewer control parameters, etc. In this paper we have implemented various methods suggested to boost traditional ABC performance to solve multiparameter optimization problem. The results demonstrate ability of modified algorithm to be primary candidate for the parameter extraction in wide search space.

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Index Terms

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