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Title: Wind Turbine Micrositing by using the Firefly

Algorithm

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ACCEPTED MANUSCRIPT

Highlights of research paper titled "Optimization of wind farms by using the Firefly Algorithm"

- 1) This paper demonstrates that the recently discovered Firefly Algorithm is a better technique for the optimization of large Wind Farms.
- 2) It compares the Firefly Algorithm with the Genetic Algorithms or by the use of Spread Sheet methods such as Finite Difference Method.
- 3) It demonstrates the higher power derived and the lower cost of power produced by using the FA.
- 4) This paper demonstrates that the Firefly Algorithm outperforms the Genetic Algorithms and Finite Difference Method by a wide margin.

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