

DEEDA

Differential Evolutionary and Estimation of Distribution Algorithm



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Motivation:

Taking into account the results of the Differential Evolution (DE) and its combination with other optimization algorithms, and the results of the Estimation of Distribution Algorithms (EDAs), using the Normal and Cauchy distributions, in the WCCI / GECCO 2019 competition. Will the hybrid of DE and EDA give better results?

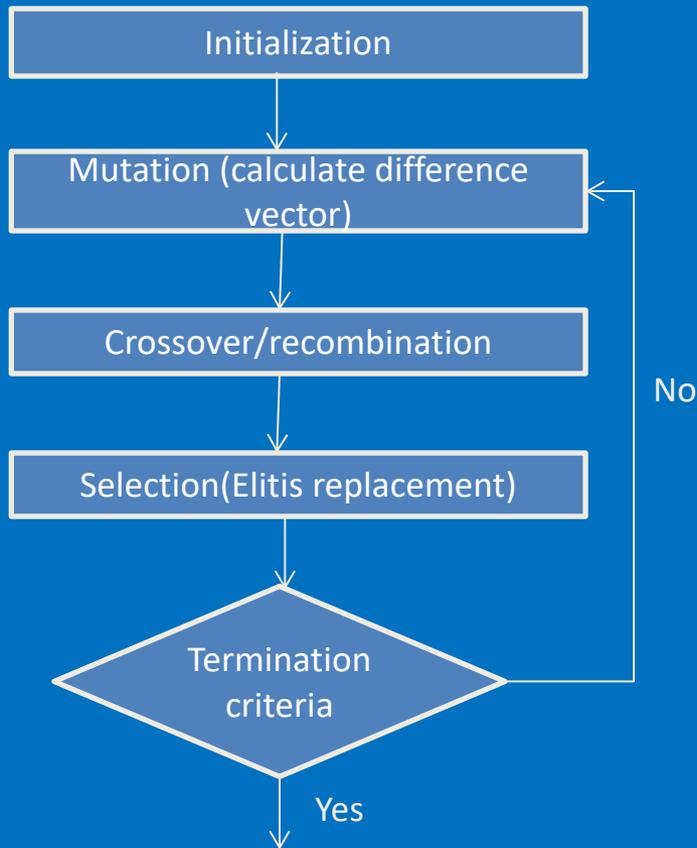
Innovation:

The advantage of hybridization of these methods is that they guide the optimum in a globally correct direction.

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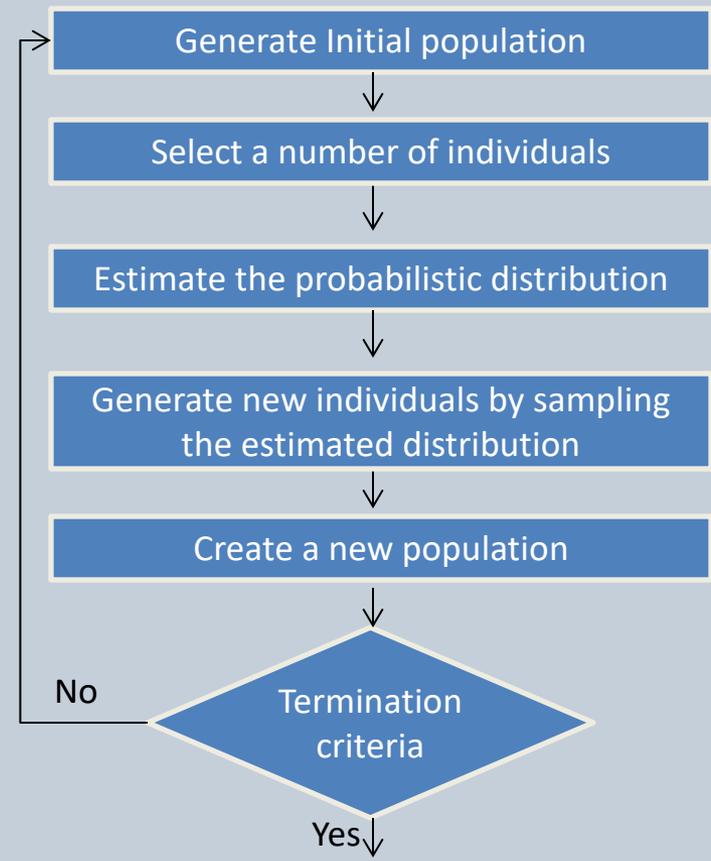
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Differential Evolution (DE)



First Phase: To Find the Partial Solution

Estimation of Distribution Algorithm (EDA)



Second Phase: To Find the Global Solution

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