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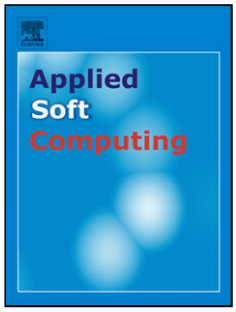

Title: Gaussian bare-bones water cycle algorithm for optimal reactive power dispatch in electrical power systems

Authors: Ali Asghar Heidari, Rahim Ali Abbaspour, Ahmad Rezaee Jordehi

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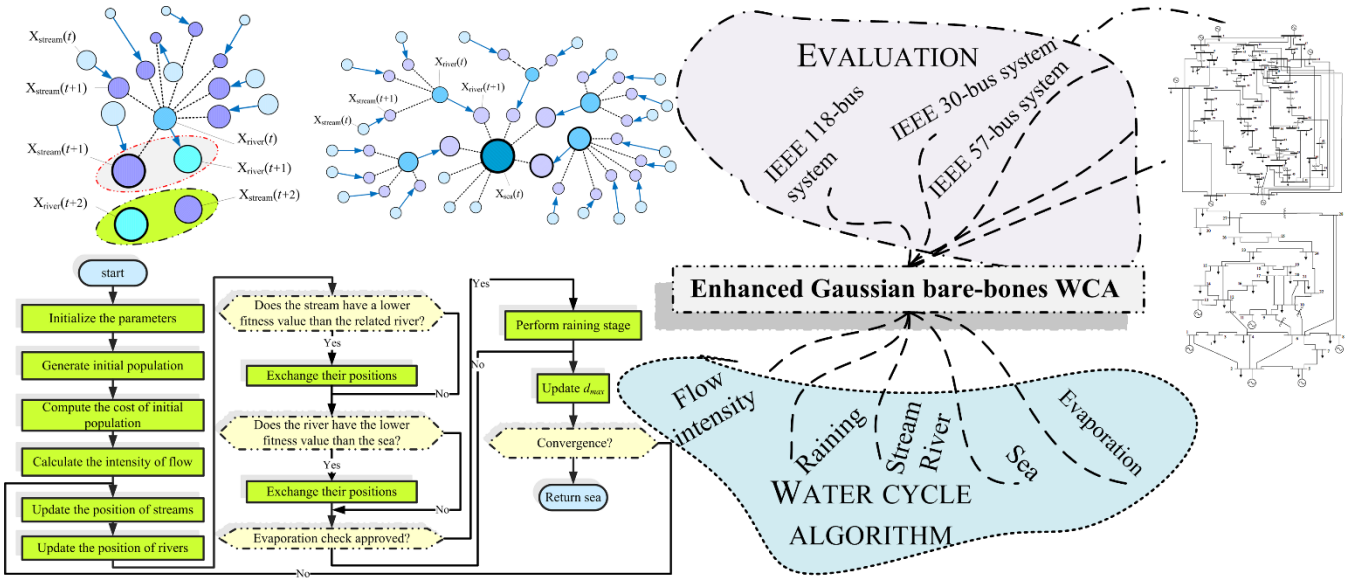
Gaussian bare-bones water cycle algorithm for optimal reactive power dispatch in electrical power systems

Ali Asghar Heidari[a], Rahim Ali Abbaspour[a], Ahmad Rezaee Jordehi[b*],

[a] *School of Surveying and Geospatial Engineering, College of Engineering, University of Tehran, Tehran, Iran*
[b]*Department of Electrical Engineering, Lashtenesha-Zibakenar Branch, Islamic Azad University, Lashtenesha, Iran*

[*] Corresponding author. Tel.: +98 1334404642
E-mail addresses: ahmadrezaeejordehi@gmail.com (Ahmad Rezaee Jordehi), as_heidari@ut.ac.ir (Ali Asghar Heidari),abaspour@ut.ac.ir (Rahim Ali Abbaspour)

Graphical abstract



Highlights

- A Gaussian bare-bones water cycle algorithm (NGBWCA) has been developed.
- The proposed algorithm has been applied to optimal reactive power dispatch problem.
- Resistive losses and voltage deviations are the objectives in reactive power dispatch problem.
- The proposed algorithm outperforms some state of the art optimisation algorithms.

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