

عنوان مقاله:

Multiobjective Power and Emission Dispatch using Modified Group Search Optimization Method

محل انتشار:

کنفرانس بین المللی یافته های نوین پژوهشی در مهندسی برق و علوم کامپیوتر (سال: 1394)

تعداد صفحات اصل مقاله: 14

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خلاصه مقاله:

This paper presents heuristic modified group search optimization (MGSO) algorithm for solving combined economic power and emission dispatch (CEED) multiobjective problem. Some modifications have been done on the proposed method to improve its convergence. Simulations have been done on IEEE30 bus standard system in order to validate effectiveness of the proposed method. Simulation analyzes mentioned system with and without loss for pure power, pure emission and combined economic power and emission dispatch. Numerical results indicate that, the proposed method has better performance and convergence time, in comparison with some recently published methods

کلمات کلیدی:

Multi-objective optimization, environmental dispatch, group search optimization, combined power and emission dispatch

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