

عنوان مقاله:

Optimization of Energy Flow Model Function for a Case Study in Iran by Genetic Algorithms

محل انتشار:

هفتمین کنگره ملی مهندسی شیمی (سال: 1390)

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خلاصه مقاله:

Long-term plan to optimize the energy supply sector, has a positive effect on the economy in global energy markets. The results of the optimization of energy supply, improve production efficiency and reduce environmental pollution caused by energy production. We do not want to explain strategies to improve the energy efficiency of operations. But to optimize the choice of converting the primary energy need, and to achieve the mathematical function we have used the energy flow optimization model (EFOM), which is among the types of energy sources, energy converters and energy consumption, suggests the optimal choice. If we consider Combined heat and power and environmental consideration in it, it is called EFOM ENV / CHP. In this paper, we tried to optimize the mathematical function of this model by genetic algorithm method.

کلمات کلیدی:

energy flow optimization model, EFOM, optimization, genetic algorithms

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