Application of particle swarm method in the optimization problems

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Annotation. Particle swarm optimization (PSO) is a heuristic global optimization method originally proposed by J. Kennedy and R.K. Eberhart in 1995. Today, PSO is one of the best known and widely used swarm intelligence algorithms due to its simplicity and ability to be used in a wide range of applications. This paper provides an overview of PSO applications in various fields: electrical engineering, automatic control systems, medicine, biology, chemistry, etc.

Key words: optimization, metaheuristic algorithm, Particle Swarm Optimization

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