

Performance Analysis of GA and PSO over Economic Load Dispatch Problem

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Abstract – Economic Load dispatch problem is one of the most popular concern in power system engineering. Many method have been proposed in past to solve this. Genetic algorithm and particle swarm optimization are the most popular algorithms in term of optimization. This paper is implementation of GA and PSO over the Economic Load Dispatch problem. Comparison of both algorithm is shown here with a standard example when considering Loss and No Loss Conditions.

Keywords – Genetic algorithm, PSO, Economic Load Dispatch.