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Research Subject	Development of emergent system design method		
Keywords	Emergent System, Learning method, Optimization algorithm		

Research Outline

I am developing the emergent system design method that involves the Dynamically Separating Genetic Algorithm (DS-GA). Multi-agent systems are used as the experimental platform to compare the proposed method with traditional ones.

Some important characteristics of DS-GA considered to be effective for MAS are examined in such performance to maximize the whole system profit, to attain balance of agents' profits, and to search the optimum solutions. The organization can be realized as a result of cooperative division of work between agents.