The Application of Particle Swarm Optimization Method in Round Chip Allocation

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ABSTRACT

Dr. Eberhart and Dr. Kennedy propose induction, Particle Swarm Optimization, PSO, which origins from the birds capturing the food such this process which combines of simple individual. The interaction combines with individual and group. Through the scientific imitate system coming from the message of some parts to produce the unpredictable the behaviors which combine lots of groups, in order to hunt for the food; meanwhile, it can simplify to state the phenomenon of social life circle, in order to avoid the induction of metaphor to solve the problem. The purpose of the thesis is to use the group, PSO as the basis which can search for the operation in the design space. It can try to use the PSO searching for the order of Optimization, in order to discuss the best way. From the outcome, inertia weighted is related to the stability of the moving particle. The affect of the size to acceleration constant is related to the speed of velocity.From the outcome of its arrangement,it is unclear to the affect of the inertia weighted and the acceleration constant. The most obvious affect is its scope of the beginning production.

Keywords : PSO ; design ; system

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