

协同性攻击下无尺度网络节点自适应分配方法

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摘 要: 节点是控制网络系统的基本构成单元, 无尺度网络节点的分布对无尺度网络工作效果存在直接影响. 为了优化无尺度网络节点的自适应分配, 提出人工蜂群和差分进化相结合的差分蜂群算法对协同性攻击下无尺度网络节点进行优化调整, 实验证明, 所提方法能够提高协同性攻击下无尺度网络节点自适应分配的效率和合理性, 为无尺度网络节点自适应分配提供借鉴, 具有良好的使用价值.

关键词: 协同性攻击; 无尺度网络; 节点自适应分配

Adaptive Assignment of Scale-free Network Node under Cooperative Attack

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Abstract: The node is the basic constituent element of the control network system. The distribution of the scaleless network node has a direct influence on the work of the scaleless network. In order to optimize the adaptive allocation of scale-free network nodes, a differential bee colony algorithm combining artificial bite and differential evolution is proposed to optimize the dimensionless network nodes under the cooperative attack. By using the dimensionless network node coverage as the evaluation function The evolution of the solution is determined, Experiments show that the proposed method can improve the efficiency of adaptive allocation of scale-free network nodes under synergistic attacks, improve the rationality of adaptive allocation of scale-free network nodes, provide reference for adaptive allocation of scale-free network nodes, and has a good use value.

Key words: cooperative attack; scale - free network; node adaptive allocation

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