基于差分进化的云交易信任度评价控制算法

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摘 要:提出一种基于粒子群差分进化的云交易信任度评价控制算法.在O2O云模型下构建了云交易的网络结构和信任度属性数据分析模型,对信任度的影响参量进行约束函数构建,采用粒子群差分进化方法提取信任度属性的特征值并实现特征信息聚类分析,结合第三方监管机制,实现对云交易商家的信任度评价控制和监管,由此实现对云交易信任度的优化评价和控制.研究结果表明,采用该方法对云交易商家的信任度评价准确性较高,实时性较好,具有较高的在线筛选和分析能力.

关键词:云交易;信任度;评价;电子商务;控制
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Trust Evaluation Control Algorithm Based on Differential Evolution

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Abstract: A new trust evaluation algorithm based on particle swarm evolution in cloud transaction is proposed. Under the O2O cloud model, the network structure and trust attribute data analysis model is constructed, and the influence parameters are constructed by using the method of particle swarm optimization. The feature value is extracted from the trust property and the control system is realized. The results show that this method has high accuracy and good real-time performance, and has good real-time performance, and has a good ability of online filtering and analysis.

Key words: cloud transaction; trust; evaluation; electronic commerce; control

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