

基于ART II 网络的煤炭资源资产分类研究

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The Study on the Classification of Coal Resources Assets Based on ART II Networks

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摘要 本文建立了用于煤炭资源资产分类的ART II 神经网络模型,编制了相应的计算机和软件,并将ART II 模型与模糊分类模型和基于BP网络的分类模型进行了对比分析,实例运行结果表明,用ART II 网络进行分类具有分类稳定、结果可靠等特点。

关键词: [煤炭资源资产](#) [分类](#) [ART II 网络\(自适应共振理论网络\)](#)

Abstract: The ART II neural networks applied to classify assets of coal resources are built in this paper. The classification results by the Fuzzy Synthetic Judgement models based on cluster being as the base for choosing the patterns, self-organizing networks model to classify is given. Remarkable success has been achieved in training the networks to learn the patterns and in classifying the coal resources assets. Our results show that the ART II network approach for classification has some advantages such as stability and reliability.

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