工程与应用

布雷方案评估的灰关联度方法

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摘要　　针对布雷作战方案优选问题，提出了一种新的评估方法。该方法定义各可行方案与理想、负理想方案的灰关联系数，通过最大最小和最小最大的双目标优化模型客观地得到属性的权重向量，根据各方案的接近度，给出布雷方案评估方法。仿真实例验证了方法的有效性。

关键词　　布雷方案　灰色关联分析　区间数　逼近理想点法（TOPSIS）　理想方案
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Method of grey relation degree for evaluation of minelaying plans

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Abstract

　Aiming at the optimizing problem of minelaying plans，a new evaluation method is proposed.The method defines the grey relation coefficients between the alternative，ideal plan and the negative ideal plan.The weight vector of attributes is objectively obtained by solving the two objective programming of max-min and min-max.The evaluation method of minelaying plans is presented according to the approach degree.The simulated example proves the effectiveness of the method.

Key words　minelaying plan　grey relation analysis　interval number　Technique for Order Preference by Similarity to Ideal Solution（TOPSIS）　ideal plan

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