

工程与应用

## 专家权威和共识在科研基金立项评估中的应用

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**摘要** 针对科研基金项目立项评估问题, 给出了一种研究方法。首先, 把模糊多属性群决策引入到科研基金项目立项评估中, 给出属性和属性权重的模糊语言评价, 并把其转化为三角模糊数; 然后, 给出各个专家相对决策群体判断的共识性分析方法, 对不共识情况综合考虑了专家权威性和专家群体意见共识性, 给出了集结算法, 并在此基础上利用模糊多属性群决策算法对科研基金立项进行排优; 最后, 利用实例说明了科研基金项目立项的具体评估过程。

**关键词** [科研基金](#) [模糊语言评价](#) [权威](#) [共识](#)

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## Application of authority and consensus of experts in assessment of research fund project

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### Abstract

According to the appraisal problem of scientific research fund project, this paper presents a research methods. First, it introduces the fuzzy multi-attribute group decision-making to the scientific research fund appraisal project, gives the fuzzy language appraisal of attribute and attribute weight, and turns it into triangle fuzzy numbers. Then, it gives the consensus analysis methods which each expert relative decision-making community judges. Considering the authority of experts and consensus views of expert groups in the situation of no consensus, it gives assembled algorithm, based on this, uses the fuzzy multi-attribute group decision-making algorithm to carry on row of superior of scientific research fund. Finally, it explains the specific appraisal process of scientific research fund project using an example.

**Key words** [research fund](#) [fuzzy language appraisal](#) [authority](#) [consensus](#)

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