

## 一种新的混合型多属性决策方法及在供应商选择中的应用

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## A New Method on Hybrid Multiple Attribute Decision-Making Problem for Choosing the Supplier

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**摘要** 研究了一种属性权重未知的混合型多属性决策模型.为了简化计算,把区间数和模糊数转化成精确数得到规范的决策矩阵.基于属性的熵,建立了具有柔性的客观权重模型,把客观权重和主观权重线性合成成为综合权重.给出了客观权重和综合权重合理性的判定定理.最后的案例说明该法是可行、有效的.

**关键词:** [混合型多属性决策](#) [熵](#) [主观权重](#) [客观权重](#)

**Abstract:** This paper studies the hybrid multiple attribute decision-making problem, in which the information about attribute weights is completely unknown. For easing computation, we turn interval numbers and fuzzy numbers into precise numbers. A model with adjustability is proposed to seek objective weight based on entropy and then subjective weight and objective weight are integrated into general weight linearly. Rules are set up to estimate the rationality of objective weight and general weight. Finally, a numerical example is given to illustrate the developed method.

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