

一种考虑风险的供应链利益两阶段分配法——正交投影熵值法

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A Kind of Two-stage Distribution Method of Supply Chain Profits Considering Risk—Orthogonal Projection Entropy

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摘要 基于供应链利益分配机制直接影响供应链的运行效率、稳定性以及现有的供应链利益分配方法存在的缺陷,文中提出一种新的供应链利益两阶段分配法——正交投影熵值法。该方法针对现实中风险因子计算结果多样性,利用正交投影法设计了一种新的综合风险因子算法,解决了多种计算结果不一致问题,并且计算结果也真实地体现风险补偿原则,所以这种方法不仅全面体现供应链利益分配应遵循的原则,而且在实际操作中适用性广泛。经实证研究,证实了该方法应用的广泛性和有效性。

关键词: [供应链利益](#) [供应链风险](#) [正交投影法](#) [最大熵值法](#)

Abstract: Based on the fact that the distribution mechanism of SC profits directly influences the efficiency and stability of SC's operation,as well as the defects existing in the current distribution method of SC profits,this paper proposes a new two-stage distribution method Orthogonal Projection Entropy. Not only dose this method present the principles comprehensively,to which the distribution of SC profits should comply,but also possess an extensive applicability in practical operation. Furthermore,according to the diversity of calculation results of risk factor in reality,this method designs a kind of new comprehensive risk factor calculation method using Orthogonal Projection,which resolves the problem of inconsistency of several calculation results,and thus the obtained results also actually embodies the principle of risk compensation. As proved by the empirical research,the application of this method possesses universality and effectiveness.

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