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网络组织风险传导的动态演化路径研究

孙国强, 邱玉霞, 李俊梅

山西财经大学管理科学与工程学院, 山西 太原 030006

Research on The Dynamic Evolution Pathes of Risks Trasmission for Network Organization

SUN Guo-qiang, QIU Yu-xia, LI Jun-mei

School of Management Engineering and Science, Shanxi University of Finance and Economics, Taiyuan 030006, China

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摘要 网络组织是一个对风险高度敏感的交叉复杂系统,一方面风险具有客观必然性,另一方面风险极易在网络组织内部传导,各种风险在内外力的交互作用下会迅速扩张,因而风险传导机理如何、其动态演化路径如何等就成为能否实现协同效应的关键。本文基于网络组织风险传导具有路径依赖性的特征,利用泛函分析从时间维度推演风险传导的动态演化过程,构建网络组织风险传导路径模型,并运用具有典型网络组织特征的企业集团网络数值算例进行验证,为更好地控制风险、探寻疏通渠道、实现资源的有效配置提供新的洞察。

关键词： 网络组织 风险传导 动态演化 传导路径

Abstract ： Network organization is a crossing complex systems of highly sensitive to risks. On one hand, risks are objective and necessary; on the other hand, it is easy for risks of network organization to conduct within the organization, various risks will rapidly expand under the interaction of the internal and external forces. Therefore, risk conduction mechanism and the dynamic evolution pathes of such a system have become the key if synergies can be achieved. In this paper, the conduction of network organization risks has path dependence.The conductive process of risks for network organization is deduced by functional analysis from the time dimension, and the model of risks conduction for the network is constructed, and the results are verified by numerical example, which has the typical characteristics of network organization, in order to provide a new insight to control the risk for network organization, explore dredge channels, and achieve efficient allocation of resources.

作者简介: 孙国强(1963—),男(汉族),山西万荣人,山西财经大学管理科学与工程学院教授,博士生导师,研究方向:网络组织治理.

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