

基于GERTS网络的非常规突发事件情景推演共力耦合模型

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Model of co-coupling in unconventional incidents based on GERTS network

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- 摘要
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摘要 针对非常规突发事件情景推演GERTS网络中灾害衍生耦合问题,分析了突发事件耦合作用方式,提出了共力耦合概念;设计了基于GERTS网络的共力耦合节点的逻辑结构,并定义共力耦合算子,给出了共力耦合算子参数的求解方法. 该研究为分析非常规突发事件情景推演中共力耦合问题提供了工具,为非常规突发事件"情景-应对"决策研究提供了新的研究思路.

关键词: 非常规突发事件 共力耦合 GERTS网络 情景推演

Abstract: In this paper, the way of coupling in emergency has been studied in tackling issue on disaster derivative coupling in the GERTS network. Three kinds of notions about coupling have been put forward by having designed the logic structure of co-coupling nodes based on GERTS network, having defined co-coupling algorithm, and having studied the optimal evaluation of co-coupling algorithm parameters in different forms. This research provides the method for co-coupling analysis in the scenario of unconventional incidents and provides new outlook for the decision-making of "scenario-reaction" in unconventional incidents.

Key words: unconventional incidents co-coupling GERTS network scenario deduction

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