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突发事件的不同演化模式研究(PDF)

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Title: Research on different evolution models of emergency

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关键词: [突发事件](#); [演化](#); [连锁反应](#); [宏观预警](#); [防灾减灾](#)

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摘要: 突发事件的发生常常伴随着次生事件,形成连锁反应,造成重大的人员伤亡和经济损失。从系统的角度出发,研究了各类突发事件之间的不同关联,分析了突发事件演化的不同模式,提出了突发事件点、链、网、超网间的4层演化模式框架,并针对突发事件的不同演化模式进行了分析;最后通过实例说明了突发事件的4种演化模式。研究结论对于预防灾害的扩大,以及灾害的宏观预警具有一定的意义。

Abstract: Emergent events and the chain reaction caused by them usually result in significant casualties and property losses. Herein, different emergency evolution models were studied from the systematic perspective to find out common characters and correlations of four various emergency events. An academic framework with four hierarchies, i.e. single event, event chain, event network, and event super-network, were proposed. Corresponding detail analysis was conducted. The effectiveness of the framework was verified through a real case. This paper can provide a reference to disaster prevention and early warning.

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