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[This issue Contents](#) | [Next Issue](#) | [Archive](#) | [Advanced Search](#) [[Print](#)] [[Close](#)]

### Papers

#### Based on DEVS / CD + +'s emergency relief supplies to protect Simulation Modeling

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#### Abstract:

Unexpected under the conditions of natural disasters, rescue and disaster relief operations is a typical discrete event systems, the analysis of discrete event systems specification (DEVS) model based on the construction of the emergency relief supplies to protect DEVS simulation model, analysis of the simulation entities, the design of the simulation process, given the coupled model and the main structure of atomic model. And CD + + in the model simulation has been a more reasonable simulation results, in order to carry out emergency rescue and disaster relief to protect laid the foundation for simulation training.

**Keywords:** simulation modeling material support discrete event system specification CD + +

#### Research into simulation and modeling of material supply in emergent disaster based on DEVS / CD + +

#### Abstract:

Dealing with emergent disaster is a typical discrete event system. Based on the analyses of Discrete Event System Specification (DEVS) formalism, the DEVS simulation model of material supply in the emergent disaster was made. The simulation entities were analyzed. The simulation flow was designed . The structures of coupled model and main atomic models were given. And the simulation test of this model was completed in CD + +. The reasonable simulation results were obtained. It laid the foundation for the development of simulation training on the services of emergent disaster.

**Keywords:** simulation and Modeling Material supply Discrete Event System Specification (DEVS) CD + +

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