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As a modular, hierarchical and formal description mechanism of M&S, DEVS can be used to describe the discrete, continuous and hybrid systems consisting of discrete event and continuous. A formal description which DEVS provides permits to carry out mathematical analysis on models. DEVS can promote the development of methods and technology in the M&S and support to build the M&S interdisciplinary. An overview of the ideas and description methods of DEVS was provided, and its characteristics was summed up, the art of state of research in the world and in China, types, tools, etc, was reviewed. The ways of promoting the building of M&S theory in China, the formation of knowledge systems for simulation teaching and the research of simulation technology through the research of DEVS were discussed.	On the Web based on <u>title</u> ■ <u>authors</u> ■ <u>keywords</u>	
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DEVS; Modeling and simulation; Simulation standard; Simulation tool		

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