Mixed modeling of discrete devices using automatic decomposition of a functional block macromodel in elements' model

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It is shown that the mixed modeling of structures is an integral part of the method of hierarchical modeling of complex discrete structures. The problem of mixed modeling of complex discrete devices using macro models of devices on the level of functional blocks and their decomposition into elements of discrete structures with varying degrees of detail for analysis and control for proper functioning of discrete devices in the early stages of development and design.

Keywords: *mixed modeling, macro-model function block discrete structure, macro decomposition algorithm.*

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