
Conceptual model for automated synthesis based on multiple manipulators parallel structures

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Consider the problem of synthesis automation of multisection handling mechanisms based on parallel structures. The review of existing mechanisms is carried out, the structure and complexity of synthesis of multisection manipulators is described. Methods and task cures, and also structural model are offered.

Keywords: *mechanisms of parallel structure, decision support system, synthesis of mechanisms, methods of computer aided design, structural model, structural synthesis, parametrical synthesis, control system synthesis.*

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