

METHODS OF OPTIMAL STABILIZATION OF PARAMETERS BY THE PRODUCTION FLOW LINE

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The report presents the main directions of research into stabilization systems for stream parameters of production lines at the macroscopic level of description. The models of the flow description of a controlled production process based on the kinetic representation of the technological process [1] are considered. The principle of constructing two-level models of production lines in which the micro-level, represented by a detailed subject-technological description of the production process, is interconnected with the macro-level, represented by a flow description, is demonstrated. The stages of building a distributed model of a production line [2] are shown. Methods for constructing optimal stabilization systems of the distributed parameters of the production line model are described (Fig.1).

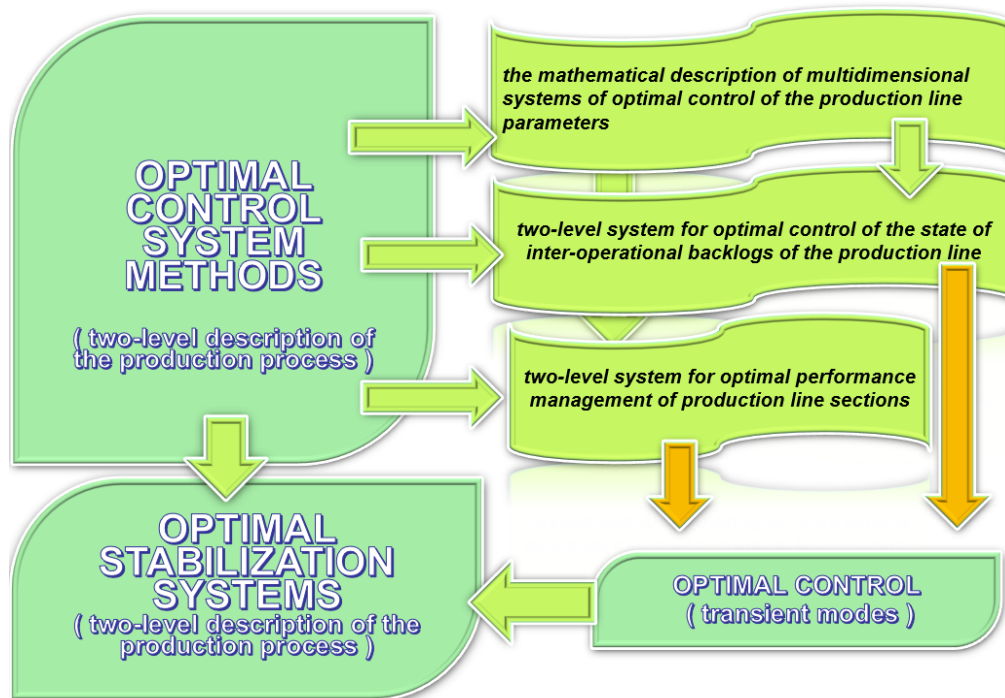


Fig. Methods of control and stabilization of the flow parameters of the production line

References:

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