

MODELING MATHEMATICS AND OPTIMIZATION OF DEVELOPMENT CHANGES PROCESS AND SYSTEM

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***Apstrakt:** The development of the model for managing development changes and the possibilities of their application will contribute to the dissemination of scientific and professional knowledge about the need to apply mechanical optimization in development processes and systems. Given the need for integral process management, the possibility of mathematics becoming a key factor in intelligent management and decision-making in all life problems in the situation when intelligent systems begin to dominate. Of course, in order to successfully model, besides knowledge of mathematical form for solving useful mathematical forms, it is necessary to know the process technology which are modeled. Decision makers in most cases do not possess the necessary knowledge of applied mathematics, so that mathematical optimization of development changes as a control tool is almost not used in the space envisaged for research, resulting in extremely uncertain and risky developmental changes.*

Keywords: mathematics, modeling, optimization, changes, control.