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OPERATIVE CONTROL OF INDUSTRIAL ACTIVITY AS A PROBLEM OF STOCHASTIC PROGRAMMING

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The authors present a heuristical approach for solving operative control (the planning) of industrial activity, namely the principle of the "sliding plan". Four theorems without proofs are given. According to theorem 1 the sliding plan is approximatelly optimal if random factors are small. The results of this theorem are extended to stationary case (theorem 2).

One supposes that the conditions of theorem 3 are fulfilled and the stationary optimal decision rule for some subset of the system state variables is given (theorem 4).

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