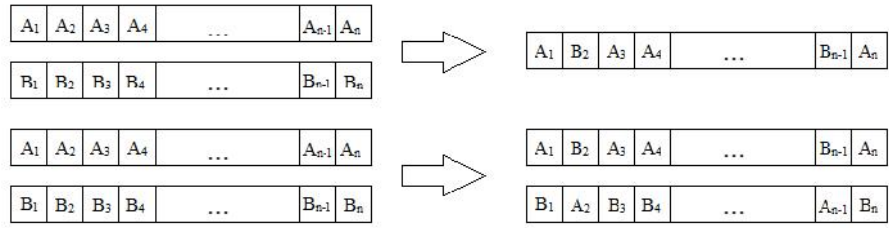


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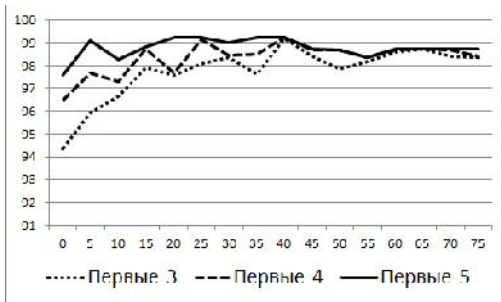
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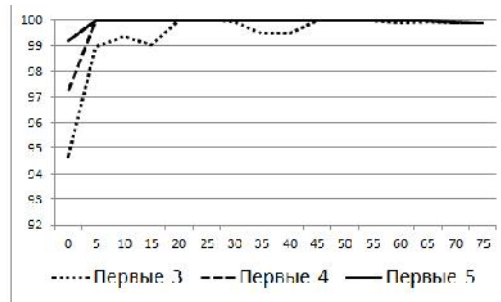
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I.O. Lukianov, F.A. Lytvynenko, O.O. Krykovliuk

USE OF THE VARIETY OF THE INITIAL POPULATION IN THE MULTI-POPULATION GENETIC ALGORITHM

We consider some features of generation the initial population in parallel implementation of the multi-population genetic algorithm, as well as approaches to its optimal use. Some modifications of the genetic algorithm considered in previous works are implemented to reduce the use of the mutation operation for a specific problem. As a result, it was possible to exclude mutation operations to achieve 98% of the optimum, with a relatively low number of considered solution options (alternatives).

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Об авторах:

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