**Annotation №1**

**THE CLASSIFIER OF DISCRETE RANDOM VARIABLES**

***A.Juraev Institute of Mathematics, Tajik Academy of Sciences***

On the set of discrete random variables with possible values among *m*  natural numbers we introduce the metric on the basis of which the problem of effectiveness of the representation to the set in the form of a collection of disjoint subsets of homogeneous elements is investigated.

***Keywords:*** *discrete random variable, metric, classifier.*

**Annotation №2**

**TUNING THE ALGORITHM OF THE CLASIFIER**

**OF DISCRETE RANDOM VARIABLES**

***A.Juraev Institute of Mathematics, Tajik Academy of Sciences***

We consider a one-parameter mathematical model to a clusterizer of discrete random variables and tune it according to the training sample data, distributed by classes, in order to determine the optimal value of the parameter We calculate the efficiency index of the calibrated clusterizer, that allows to assess the possibility of using it as a classifier.

***Keywords:*** *discrete random variable, metric, clusterizer, classifier****.***