

UDC: 519.22:378.146:502

### **Application of mathematics statistics methods analyzing the results of students' knowledge test in ecology**

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*Some methods of mathematical statistics are applied to the analysis of students' knowledge control by means of the created tests system on ecology. They are targeted for the correspondence department students of different baccalaureate directions at Don State Technical University. The tests results show that the obtained theoretical curve of correct answers number is normal and approaches the polygonium built according to the practical sample results. This conclusion gives the possibility to assess the tests results as satisfactory alongside with the drawbacks identification, the latter being termed as students poor material assimilation and topics distribution.*

**Keywords:** *testing, methods of mathematical statistics, general population, the number of correct answers sample, normal (theoretical) curve, frequencies polygonium, results analysis*

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***August, 20 2015***

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