

# The application of computers in teaching mathematics shown on the example of the following lesson: Calculating the surface of a flat figure – application of the definite integral

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The possibility to activate students motivation as well as their ability to work independently is the greatest advantage of using computers in education. The subject of this paper is using computers in teaching mathematics shown on the example of the lesson Calculating the surface of a flat figure – the application of definite integral. The research was conducted on the first-year students of Traffic Engineering during the school years 2012–2013 and 2015–2016. Two groups of students were formed in each school year with twenty students per group. The purpose of this research was to master the same school program applying two different methods; the first was the traditional method and the second was using computers, or more precisely, the GeoGebra software. The aim of the testing conducted after teaching the above mentioned unit was to show the effect of using computers in teaching, and the aim of the survey conducted among the students was to show their opinion about, and attitude towards, using computers in education.

## References

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