

# On the influence of software application for visualization in teaching double and triple integrals

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This article presents the influence of software application on examining double and triple integrals. The research was conducted with two groups of second year students from the Faculty of Engineering, University of Kragujevac. The experimental group was taught by the teacher with the help of materials made in *Wolfram Mathematica* with the focus on the visualization of multivariate functions for the purpose of determining double and triple integrals. In the control group, materials were presented by teacher without the use of computer. Both the groups were tested after the lectures. The students from the experimental group showed significantly better theoretical, practical and visual knowledge. Additionally, students from the first group were highly interested in this way of learning.