Title:
A Teaching Material for Double Integral Including Three Dimensional Figures Drawn with K$_E$Tpic

Abstract:

In this presentation, we give an example of teaching materials for double integrals which include three dimensional figures drawn with K$_E$Tpic. The aim of the materials is to make our students understand the concept of double integrals and iterated integrals of a function with two variables (Fubini's theorem for calculating double integrals). We propose these figures both in printed materials and on screen simultaneously. Onto the printed materials the students write various bits of information which become clear in progress of class. In this way, they can get a comprehensive understanding and fix the impressions of these figures in their consciousness.

(This presentation should be included into the working group
" Making Materials Based on TEX and CAS/DGS ")

Keywords:
K$_E$Tpic,
teaching materials,
double integrals,
three dimensional figures