The basics of set theory – some new possibilities with ClassPad.


Summary: Sets are one of the most fundamental concepts in mathematics but we can not calculate with set operations and set relations on the ClassPad. On the other hand we can write in the text mode with special symbols of the set theory in the ClassPad, e.g. ∈, ∉, ∪, ∩, \, ⊂, ⊆, ≠, .... Thus some students of informatics tried to introduce the set theory in the operating system version 3.05 (published 2010). They followed two ways of solution: 1. Create a so called Add-In for ClassPad to calculate with sets of real numbers. 2. Create a Basic-program for ClassPad to calculate with finite sets of numbers or words.

Classification: E65 U55 R25

Keywords: set theory; computer programs; add-in; computer programming