

The thesis deals with the topic of complex numbers in mathematics education at high schools. It is divided into two parts – rating of already existing web sites concerning complex numbers and creating new ones.

In the first part, available sites attended to the topic are described. They are classified according to several chosen criteria. Sites which are interesting or which can enrich education of given problematics at high school are emphasized. Simultaneously, sites which are unsatisfactory are pointed out as well.

The second part of the thesis consists of own internet sites regarding complex numbers. Definitions and theorems with proofs are complemented by solved exercises. The sites are dynamic and partially use the possibilities of internet. They contain interactive components in the form of Java-scripts and Java-applets which makes the problematics more accesible.