

This thesis deals with algebraic equations in the field of complex numbers and teaching of them in high school mathematics. The thesis is a web page, it includes the definition of complex numbers in various forms (form of ordered pair, algebraic, polar and exponential form) and operations with them, as well as conversions between forms. The main part of the thesis includes solving of linear, quadratic, binomial, trinomial, reciprocal and cubic equations in the field of complex numbers. The lecture is enhanced with interactive applets demonstrating given topic. The thesis also includes solved exercises, as well as exercises leading to sets of points satisfying a condition and two overall tests. Web page created within the thesis can be used by high school pupils and teachers.