THE CONTINUITY OF THE STUDY ON THE TOPIC "COMPLEX NUMBERS" IN SECONDARY SCHOOLS AND IN PEDAGOGICAL UNIVERSITIES OF THE REPUBLIC OF UZBEKISTAN

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ABSTRACT

This article discusses the issue of continuity of the study of the topic "Complex numbers" in schools and pedagogical universities in connection with the reforms carried out in the field of education in the Republic of Uzbekistan, and changes in the content of secondary education, in particular mathematical education. It is necessary to develop methods for studying newly introduced sections of mathematics, especially some recurring topics, and to improve methods of teaching academic disciplines based on new educational technologies, taking into account modern requirements and international experience. In the course of the research, various research methods were applied, namely, the study and analysis of scientific and pedagogical, methodological, mathematical literature and school textbooks in mathematics; analysis of the continuity of the section "Complex numbers"; pedagogical experiment to test the residual knowledge of students on the topic "Complex numbers"; discussion of research materials.

Keywords: Continuity, Complex Numbers, Algebra and Number Theory, Mathematical Analysis, Theory of Analytical Functions, Level of Learning, Degree of Abstraction, Educational Element.