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## CULTURAL ORIENTATION OF MATHEMATICAL MODELING IN THE FORMATION OF MOZAMBIQUE<sup>1</sup>

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**Keywords:** focus of the study applied mathematics; mathematical modeling; international cooperation programs.

**Abstract:** In this paper priority focuses of mathematical education, questions of improving the quality of mathematical education and reinforcing the focus of the study applied mathematics are considered.

The system of mathematics education in Mozambique is actively evolving, taking the best achievements of the European system of education. That is why the emerging commitment to the Bologna process is quite organic, and reflects the true interests of the socio-economic life of society. State over the past years focused on improving the quality of mathematics education, reinforcing the focus of the study applied mathematics, to start using the integration of mathematical education, introducing the study of mathematical modeling course at pre-university and university levels. Much attention is paid to the systematic study of the theoretical foundations of mathematics. Mathematics as an integral component of human culture has developed ways of thinking in general, helps to formulate worldview affects the spiritual and moral education. Pupils and students often are bilingual cultural space. In this context, it should be noted that the study of mathematics to teach proper verbal expression of their thoughts, thinking disciplines, develops the ability to meaning generation, accuracy, credibility and validity of judgments, has the will and perseverance in achieving difficult goals, increases creativity, enhances self-resource. Of particular interest is the creation of books on mathematical modeling for students of schools and students, reflecting the mental properties of the society, various socio-economic life, which finds expression in international cooperation programs.

**Аннотация:** В статье рассмотрены приоритетные направления системы образования Мозамбика, вопросы повышения качества математического образования и роста прикладной направленности математики.

**Ключевые слова:** прикладная направленность математического образования; математическое моделирование; программы международного сотрудничества.

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