

Some aspects of bilingual education in the technical higher school in the context of european integration

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Abstract. The work considers the peculiarities of bilingual education at a technical university as one of the components of European integration processes in modern education. It is certain that globalization in the field of international business and scientific cooperation, Ukrainian universities' integration into the international scientific and educational space result in training specialists to know the official languages of business and scientific communication, including English. Therefore, basic courses are taught in English at many universities. The need to create subject-oriented didactic models in which a foreign language acts as a means of studying various subject areas is emphasized. The choice of mathematics as such a field is justified. The author covers issues related to teaching higher mathematics in English for Ukrainian-speaking students of engineering and technical specialties. It also outlines the most common specific problems teachers of higher mathematics face when teaching English, as well as possible ways to overcome these problems. Special attention is paid to differences in approaches to teaching higher mathematics in Ukraine and abroad. The need to create appropriate methodical manuals, which would combine the principles of Ukrainian and European mathematics education, is emphasized. The work also considers the specifics of the English mathematical language (since there is a need to write articles, annotations, abstracts, as well as communication with English-speaking colleagues). The author also draws attention to the benefits of learning English and the prospects that open up to students in this regard in the context of European integration processes.

Keywords: higher mathematics, foreign language education, bilingual education, model of bilingual education, subject-oriented didactic models, academic mobility, mathematical terms, communication, glossary.

Improving education experience with Augmented Reality (AR): Exploring the fascinating world of Pi

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We live in the era when information is everywhere, and it is more important that it be relevant and presented in a way that is easily perceived and interactive to be understood. Augmented reality (AR) techniques offer us this possibility.

The educational application[1] of augmented reality delivered via mobile device that engages pupils with a wide range of multi-sensory learning experiences, could potentially provide rich, contextualized learning for understanding concepts related to transcendental number Pi.