

METHODS OF TEACHING THE PRACTICAL APPLICATION OF TOPICS RELATED TO DIFFERENTIAL EQUATIONS

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ABSTRACT

It is known that various processes occurring in nature have their own laws of physical, chemical, biological, economic and other issues. Differential equations help us in solving these laws. In solving problems representing natural processes, we often turn to differential equations. Solving problems using differential equations leads to a relatively clear answer. The topic we are going to reveal is scientifically and practically relevant. In teaching “Ordinary differential equations” or “Partial differential equations” it is useful to pay special attention to the practical application of these disciplines, as well as to increase the interest in the study of these complex disciplines. In this article, we will analyze some of the problems that can be solved using the concepts of “Ordinary differential equations” or “Partial differential equations”.

Keywords: Ordinary differential equations, partial differential equations, natural processes, teaching methods.