

ON THE EDUCATION AND TEACHING OF MATHEMATICS AND MISCONCEPTIONS



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Abstract

The findings of recent years show that quality of education is not at the desired level in science and mathematics, even relatively declined.

In this presentation we will focus on some basic problems of education and teaching of science and mathematics and suggest some solutions.

We'll also talk about misconceptions that could lead to a lifelong chain of mistakes in education and training. For instance, in mathematics, if the limit, which is the fundamental concept of analysis, is understood as "substituting" the given value, it leads to a misunderstanding of many related concepts.

So, the definition of any concept should be given fully and clearly.

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