Value of new technologies in improving the branch of learning

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Abstract: The creation of electronic mathematical textbooks with multimedia devices and realization of school lessons using a computer is studied. A practical program that allows us to automate the use of new technologies in practical departments is being created. Practical program enables upgrading of schoolwork. The PHP web-programming language and MySQL information management system of practical program has been prepared.

The practical program offers new additional tools for school technique using modern technologies.

The practical program is an additional tool for teachers, it makes possible to show all the things shown, drawn and marked by teacher directly on students' computers. Besides, the program gives students the opportunity to carry out home works through this program. And it allows the teacher to identify academic student performance on a particular lesson or a specific topic. Because the teacher is able to not only see the result of the performed work, but also to monitor the performance of tasks from the beginning of the process to the end. Practical program gives some information about the user by using the handwriting recognition algorithms. Interpretation of lessons and works into the electronic form is made in the form of vector graphics. The difference between vector graphics and video inveterate method is that it takes 20-30 times less space and preserves the quality of the recording regardless of the demonstration screen. Therefore, it can increase the number of participants in electronic form during the lesson and spreading of these lessons in the program with ease.

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References

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