

Summary

on scientific research practice of the 4-year student, group OF-32, Faculty of Physics and Mathematics, NTUU "Sikorsky Kyiv Polytechnic Institute"

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On the topic: «**Integrated use of visual aids in the process of physics studying in higher educational institution**»

Actuality: Evolution of Physics is accompanied by the creation and formation of new concepts. The problem of developing and implementing new educational approaches on formation of physical concepts using visuals is especially important nowadays.

The need for integrated use of visual aids in teaching Physics is determined by the process of learning as a reflection of objective reality in human's mind.

Problem statement: A key point is the need to find and implement in practice new technologies to enhance the process of training of students of higher educational institutions. There is also the need to improve methods of teaching physics in high schools to study processes that cannot be observed and phenomena that require imaginative perception.

Despite the significant number of new teaching methods of studying, the integrated use of visual aids in teaching physics is not sufficiently studied.

Solutions to the problem: Well timed and good visual and technical aids help to understand the variety of the surrounding world. They can be natural and computer aided demonstrations, laboratory equipment, slides, placards and sketches of the teacher on the blackboard.

Results and conclusions: The use of visual aids make easier the teaching of physics, supply the investigations of physical and chemical phenomena during the modeling, createthepossibilitiestopresentthematerialindifferentformsandina more visualway.