

METHODS OF APPLYING VIRTUAL LABORATORIES IN TEACHING HYDRAULICS AND HEAT TECHNOLOGY

Juraev Akmal Razzakovich
Bukhara State University
UZBEKISTAN
E-mail: akmal_djora@inbox.ru

ABSTRACT

This article systematically analyzes the theoretical foundations for enhancing the training of future teachers in the subject “Technologies”, which are the most important condition for today's educational field. The article explores the didactic opportunities to increase the motivation of students in the subject through the use of virtual laboratories in the educational process. Pedagogically based the development of guidelines for the formation and use of virtual laboratories in the process of teaching the subject “Hydraulics and Heat Engineering”, which is taught in universities in the direction 5112100 - Labor education. Recommended methods of creating a programmed electronic educational and methodical complex, which consists of: introduction, regulatory documents, lecture classes, practical and laboratory classes, virtual laboratories, independent work topics, presentations, animations, programmed control tests, keywords and terms, used literature, as well as information about the authors. Fresh ideas on the solution of current problems of the development of the education system and improving the efficiency of the development of the subject “Hydraulics and Heat Engineering” are presented.

Keywords: Educational system, hydraulics and heat technology, programmed electronic educational- methodical complex, Bernoulli equation, virtual laboratory.