

The research competence development of students trained in mathematical direction

Yarullin I., Bushmeleva N., Tsyркun I.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© 2015 by iSER, International Society of Educational Research. The relevance of the issue described in the article is substantiated by the need of modern Russian society for professional people who are able to work in different situations and solve vital and professional problems successfully. There are, however, opportunities based on pedagogical theory and practice to solve this problem, in particular, by means of students' research competence development at Russian universities. The objective of the article is to develop a model of the research competence development of students trained in the mathematical direction in the process of studying specific mathematical disciplines. This is based in the context of information and communication environment in the light of competence-based, personal-activity and system approaches on the basis of mathematical, information and pedagogical knowledge integration.

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Keywords

Education competence model, Research competence, Research skills and habits, Students' educational-research activity, Students' scientific-research activity