

Mathematical tasks with verifiable parametrized answers

Ilia Posov

Abstract. Tasks with verifiable answers are the tasks, for which a student's answer can be automatically checked based only on its statement. This means that a teacher needs only to provide a statement for a task, and does not need to provide an answer, usually even does not need to solve a task, but the task still can be automatically checked. Parametrized answer means a type of answer that contains parameters from the statement. The report discusses the implementation of such tasks with and without the use of computer algebra systems.

Ilia Posov
Faculty of arts
St. Petersburg State University
Saint-Petersburg, Russia

Faculty of Computer Science and Technology
St. Petersburg Electrotechnical University "LETI"
Saint-Petersburg, Russia
e-mail: iposov@gmail.com