

International Journal of Environmental and Science Education, 2016, vol.11, N5, pages 673-684

Use of E-resources of the learning environment in teaching mathematics to future engineers

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Abstract

© 2016 by author/s. The urgency of the issue discussed in this article is determined by the fact that the modern education model aims at forming a competitive and creative personality of a student striving for continuous self-improvement and self-development. It should be emphasized that mathematical training is an integral part of engineering education. In this regard, the article aims to dwell upon the use of electronic resources of the learning environment in teaching mathematics to future engineers. The leading research method is the student-activity approach which allows to describe the issue in terms of dialogueness, subjectivity and individuality. The article describes the following resources of e-learning environment: motivational-adaptive, subjective, integrative, and managerial. The article reveals pedagogical opportunities of e-learning environment in teaching mathematics to future engineers. The use of electronic media in teaching future engineers at universities is proved to be successful. The materials of this article may be of interest for teachers of higher education institutions.

<http://dx.doi.org/10.12973/ijese.2016.340a>

Keywords

E-learning environment of university, Future engineers, Mathematics training