Kornuta, Olena; Pryhorovska, Tetiana; Taras, Iryna
Descriptive geometry exam: testing or traditional form. (English) Zbl 1359.97005 J. Geom. Graph. 20, No. 2, 273-282 (2016).

Summary: The traditional syllabus of Descriptive Geometry provides a final examination, which includes some problems to solve. These problems cover the most important topics of this subject, as usual. Educational institutions of the post-USSR states were often accused of examinations results falsifications. To make cheatings impossible and to provide transparency of results, it was proposed to conduct computer testing examinations in graphical disciplines instead of the traditional practical type. This article summarizes the gained experience on the testing development, the advantages and disadvantages of testing as a type of examination, the conditions for its usage, and the requirements on the test base.

MSC:
97D60 Student assessment, achievement control, and rating (aspects of mathematics education)
97G80 Descriptive geometry (educational aspects)
97U70 Technological tools, calculators (aspects of mathematics education)

Keywords:
descriptive geometry; testing; examination

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