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A proposal for an on-line library of descriptive geometry problems. (English) Zbl 0991.68614
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Summary: This paper describes an interactive system on the Internet, which implements an electronic library of descriptive geometry problems. All problems can be accessed as proposed exercises or solved problems (demonstrations). The library may register several alternative solutions for the same problem, allowing the user to choose the one he understands better. The system is implemented as a client-server architecture. The server side runs along with a web server and manages a database of problems and registered users. The client side is represented by a Java applet which provides graphical interaction with the users. Drawing tools are available for on-line problem solving. Demonstration of a solution is done through step-by-step animations and explanation texts. The system features some simple tutoring capabilities.

MSC:

68U99 Computing methodologies and applications

68U05 Computer graphics; computational geometry (digital and algorithmic aspects)

Keywords:

[interactive system](#); [Internet](#)

Full Text: [EMIS](#)