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Development of a Web-based learning tool to enhance formal deductive thinking in geometry.

Bragg, Leicha et al., MERGA 26: Mathematics Education Research: Innovation, Networking, Opportunity (MERINO). Vol. 1 and 2. ,. 302-308 (2003).

Preparing students for proof type geometry problem solving has become a key issue for mathematics educators. Prevailing instructional strategies have been shown to be inappropriate to address the complexities of deductive geometry. In this report, we propose a design of a learning environment to address the above issue. We argue that this model has a potential to help students to make progress up to van Hiele Level 3 and to acquire skills required to solving a range of proof type geometry problems.

Classification: G40 E50 U70

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