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Integrating GeoGebra into IWB-equipped teaching environments: preliminary results.

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Summary: The aims of the project described in this paper are threefold. Firstly, the authors aim to examine how GeoGebra, an open-source dynamic mathematics software application, can be used successfully for mathematics teaching in interactive whiteboard (IWB)-equipped teaching environments. Secondly, they intend to uncover how professional development programmes could be developed and improved for the joint use of GeoGebra and IWBs. Thirdly, they aspire to identify additional software features that would make GeoGebra more suitable for IWB environments. During the past year several workshops about the use of GeoGebra with IWBs were offered for teachers and teacher educators in schools and conferences in Hungary. Participant feedback and comments were collected at these events and training materials have been continuously improved. This paper reports on the preliminary data analysis from the first round of the project highlighting participants' recommendations for improving both software features and professional development workshops.

Classification: D30 C70 U50

Keywords: technology; interactive whiteboard; GeoGebra; integration; geometry

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