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**Teaching methods and mathematics achievement in German computer aided classroom teaching.**

Lindmeier, Anke M. (ed.) et al., Proceedings of the 37th conference of the International Group for the Psychology of Mathematics Education “Mathematics learning across the life span”, PME 37, Kiel, Germany, July 28–August 2, 2013. Vol. 4. Kiel: IPN–Leibniz Institute for Science and Mathematics Education at the University of Kiel (ISBN 978-3-89088-290-1). 25-32 (2013).

Summary: An analysis of the development of mathematical achievement in German secondary school courses during grades 11 to 12 shows empirical support for the assumption that the presence of mathematical software in school teaching and examinations does not speak against the mastering and understanding of basic mathematical concepts as long as it is accompanied by regular mental maths exercises, repetition and, probably, differentiation.

*Classification:* D40 C30 U50

*Keywords:* teaching methods; achievement; computer aided instruction; use of computers; understanding of basic mathematical concepts