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**The use of technology in calculus classrooms – beliefs of high school teachers.**

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Summary: This report focuses on a part of a research programme concerning secondary teachers' beliefs towards their teaching of calculus with particular attention to graphing and computer-algebra technology. First the theoretical framework and methodology is outlined. Afterwards the focus lies on studying these teachers' beliefs with a particular concern to the teachers' intended calculus teaching in technology-based secondary mathematics courses and the way teachers actually employ the technological device in teaching and learning of calculus. We conclude the paper by summarising our main findings and making suggestions for further research.

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