

ZMATH 2016c.00141

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Changes in Finnish teachers' mathematical beliefs and an attempt to explain them.

Bernack-Schüler, Carola (ed.) et al., Views and beliefs in mathematics education. Results of the 19th MAVI conference, Freiburg, Germany, September 25–28, 2013. Wiesbaden: Springer Spektrum (ISBN 978-3-658-09613-7/pbk; 978-3-658-09614-4/ebook). Freiburger Empirische Forschung in der Mathematikdidaktik, 27-41 (2015).

Summary: This study reveals what kind of changes have occurred in Finnish mathematics teachers' beliefs during 1987–2012 and some reasons for the change. The information gained with two questionnaires and their analysis show what kind of beliefs about mathematics and its teaching teachers had 25 years ago, and how they have changed. This paper also presents the most important influential factors on the development of Finnish mathematics teaching within four decades, the years 1970–2010. The main point of the paper is to reveal the recent rapid development of the Finnish school system and society.

Classification: C29 A30

Keywords: teachers' beliefs; teacher change; change of beliefs; teaching; curriculum

doi:10.1007/978-3-658-09614-4_3