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Ferrarello, Daniela; Mammana, Maria Flavia; Pennisi, Mario

From research to classroom: proposals.

Rogerson, Alan (ed.), The mathematics education for the future project. Proceedings of the 13th international conference ‘Mathematics education in a connected world’, Catania, Sicily, Italy, September 16–21, 2015. Münster: WTM-Verlag (ISBN 978-3-942197-44-1/pbk; 978-3-942197-86-1/ebook). Conference Proceedings in Mathematics Education 1, 105-116 (2015).

Summary: Since the past ten years, the “Math Education Research Group” of Catania University carries out activities both on research and on class experiments with/for teachers and students. Particular attention is given to teaching/learning geometry with technologies. These activities start with the search for new properties of elementary geometry that are then used to design proposals for innovative teaching in secondary school; then, after writing with teachers the classrooms worksheets, a teaching experiment is conducted in class and the results (in terms of students protocols, videos, teachers log books ...) are analysed. We present here some of these activities.

Classification: D20 U70 G40

Keywords: activities; research; class experiments; geometry; innovation teaching; use of technology