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Student's concept of infinity in the context of a simple geometrical construct.

Pateman, Neil A. et al., Proceedings of the 27th Conference of the International Group for the Psychology of Mathematics Education held jointly with the 25th Conference of PME-NA. Vol. 3. ,. 125-132 (2003).

The research described in this paper was undertaken to determine student-teachers' understanding of infinity in a geometrical context. The methods of analysis of students' responses is presented and these were found to be universally applicable. The findings show that school mathematics does not generally develop the students' ideas of infinity (Eisenmann, 2002). We believe that discussion about infinity could lead to the development of cognitive ability and hence the need for teachers to have a sound knowledge of infinity and the necessary communicative skills.

Classification: E49