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How is mathematical language used in the classroom?

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Summary: The article explains the mathematical language use in classrooms. The study was performed in the 6th form college involving 200 students studying AS level mathematics, where classes were documented through audio recordings with smart phones in terms of class review of quiz answers on reciprocals, class work on integration of powers, and a class on rate of change. Results showed that Flanders interaction analysis aided in assessing potential of mathematical language for classroom use.

Classification: E44 C54

Keywords: mathematical language; research; language in the mathematics classroom; mathematics and language; verbal communication; way of speaking; concepts; writing in the mathematics classroom; classroom observation; upper secondary; calculus