DIPARTIMENTO DI MATEMATICA E APPLICAZIONI “R.CACCIOPPOLI”

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| **Seminario di Didattica della Matematica**  **Venerdì 14 Ottobre 2016, ore 15:00**  **Dipartimento di Matematica e Applicazioni “R. Caccioppoli”**  **Sala Professori I livello**  Prof.ssa Anna Sfard  Università di Haifa, Israele  **Why all this talk about talking classrooms? Theorizing the relation between talking and learning**  Abstract: Talk in the mathematics classroom is a hot topic these days. It reflects the current tendency for teaching mathematics by making students talk to each other. The new phenomenon raises many questions, the most urgent of which is also the most basic: Why the “discursive turn” in mathematics education in the first place? This talk is devoted to this query. After deconstructing some seemingly self-evident answers, I argue that convincing arguments for the talking classroom will not be found until theories are available that can explain the relation between communication and learning. I continue with a proposal for a direction the theory-building effort can take. The chapter concludes with a brief remark about the implications of the proposed approach for the question of how and when students' mathematics learning can benefit from different forms of classroom conversation.  Roberto Tortora  Maria Mellone |