



# LEZIONE LAGRANGIANA

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Burnside groups and iterated small cancellation theory

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Aula A, Palazzo Campana, Via Carlo Alberto 10, Torino

## ABSTRACT:

In 1902 Burnside asked whether any finitely generated torsion group is necessarily finite. By now there is a long line of negative answers, albeit not necessarily all of them accessible. I will explain the basics of small cancellation theory and our approach to the Burnside problem.

(j/w A. Atkarskaya and E. Rips)

## SHORT BIO:

Prof. Katrin Tent obtained her PhD in mathematics at the University of Notre Dame, Indiana, USA. Since 2008 she is professor of mathematics and mathematical logic at the University of Münster, Germany. She is an editor for several mathematics journals, among which the Journal of the European Mathematical Society. Prof. Katrin Tent works at the interface of model theory, group theory and incidence geometry. Her work has been most influential in the model theoretic community.

Susanna Terracini  
Direttrice del Dipartimento