

COLOQUIUM UAM-ICMAT AND
THEMATIC PROGRAM ON L^2 -INVARIANTS

Introduction and survey on L^2 -invariants

Wolfgang Lück

Universidad Bonn

ICMAT, Aula Azul
Martes, 27 febrero 2018

ABSTRACT

We present an introduction to L^2 -Betti numbers including their basic properties, main immediate applications and a status report. We discuss open prominent problems. If time allows, we will also treat L^2 -torsion, a much more sophisticated invariant. The talk is for non-experts and shall shed light on the forthcoming thematic program about L^2 -invariants.