

Topology Seminar

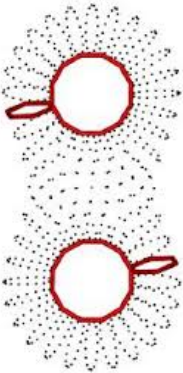
2018, April 27, 11:00-11:50

Speaker: Dr. David Snyder

Title: *Recent results regarding the Cannon Conjecture*

ABSTRACT

This talk will summarize a recently posted result by Ferry, Lueck, and Weinberger regarding the Cannon Conjecture for a torsionfree hyperbolic group G with boundary homeomorphic to S^2 . which says that G is the fundamental group of an aspherical closed 3-manifold M . It is known that then M is a hyperbolic 3-manifold. They prove the stable version: for any closed manifold N of dimension greater or equal to 2 there exists a closed manifold M together with a simple homotopy equivalence from M to the cartesian product of N and BG . If N is aspherical and the fundamental group $\pi_1(N)$ satisfies the Farrell-Jones Conjecture, then M is unique up to homeomorphism.



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