APRIL 1 - JULY 15

IMPAN, WARSAW

SIMONS SEMESTER

GEOMETRIC AND ANALYTIC GROUP THEORY

SEMINAR
WEDNESDAY, 29.05.2019
13:00-13:50

ROOM 403
ŚNIADECKICH 8
00-656 WARSZAWA

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Homological Stability for Artin monoids

Abstract: Many sequences of groups satisfy a phenomenon known as homological stability. In my talk, I will report on a homological stability result for sequences of Artin monoids. From this, one can conclude homological stability for the corresponding sequences of Artin groups, assuming the well-known 'K(pi,1)-conjecture'.
This extends the known cases of homological stability for the braid groups and other classical examples. Joint work with Luigi Caputi generalises these results to a homology stability result for a larger class of monoids - of which Garside and complex braid groups provide interesting examples.

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