Fall 2006 and Spring 2007

UF Graduate Student TOPOLOGY SEMINAR

Fall Semester: Tuesdays 7th Period (1:55-2:45 PM)

305 Little Hall

Schedule of Talks for Fall Semester

September 5

Thanos Gentimis, *Groups with asymptotic dimension one*

September 12

Thanos Gentimis, *Mapping class groups: topology of surfaces* I

September 19

Yuri Turygin, *Mapping class groups: topology of surfaces* II

September 26

Yuri Turygin, *Mapping class groups: topology of surfaces* III

October 3

Yuri Turygin, *Mapping class groups: topology of surfaces* IV

October 10

Yuri Turygin, *Mapping class groups: topology of surfaces* V

October 17

Yuri Turygin, *Mapping class groups: topology of surfaces* VI

October 24

Thanos Gentimis, *Mapping class groups: topology of surfaces* VII

October 31

Thanos Gentimis, *Mapping class groups: topology of surfaces* VIII

November 7

Thanos Gentimis, *Mapping class groups: topology of surfaces* IX

November 14

Sergei Melikhov, *A secondary obstruction to existence of equivariant map to sphere*

Abstract. This is joint work with Akhmetiev. Consider the antipodal involution on S^m, and let K be a polyhedron with a free action of Z/2. It is well-known that K admits a stable equivariant map to S^m iff the equivariant stable cohomotopy Euler class of the bundle K\times_{Z/2} S^m -> K/(Z/2) vanishes. Assuming that this Euler class is zero, we construct an obstruction to existence of a (non-stable) equivariant map K -> S^m, in the same equivariant stable cohomotopy theory.

November 21

Sergei Melikhov, *A secondary obstruction to existence of equivariant map to sphere* II

January 30

No seminar

January 23

Thanos Gentimis, *Asymptotic dimension of one relator groups*

February 6

Thanos Gentimis, *Aperiodic colorings and group extensions*

February 27

Justin Smith, *On Assouad-Nagata dimension of groups*