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# GENERALIZED NORTH-SOUTH DYNAMICS ON THE SPACE OF GEODESIC CURRENTS

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## Abstract

The study of outer automorphism group of a free group  $\text{Out}(F)$  is closely related to the study of Mapping Class Group of a surface. Utilizing surface topology and geometry we obtain dynamical results for automorphisms of free groups, and use them to prove structural results about subgroups of  $\text{Out}(F)$ .

**Date :** Wednesday, May 6, 2015

**Time:** 12:00

**Place:** IMBM Seminar Room, Boğaziçi University South Campus