

Settled elements in the group of automorphisms of trees

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In this talk we give some results concerning the settled elements of the group of automorphisms of p -ary trees, when $p > 1$ is a prime number. Settled elements can be characterized, from a dynamical point of view, as those automorphisms whose minimal components (on the set of infinite paths) are clopen. This work has been motivated by a Boston and Jones conjecture, with respect to the arboreal representations of Galois groups of polynomials. This is a joint work with Olga Lukina.