# Linking conjugacy class invariants for outer automorphism groups of free groups and geodesics in outer space

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The generic, dynamically minimal, elements of an outer automorphism group of a free group are called fully irreducible. In Axes in Outer Space, Michael Handel and Lee Mosher define an outer automorphism conjugacy class invariant for a fully irreducible outer automorphism, called the ideal Whitehead graph. In Axes and Outer Space, they go much further. Namely, they use these ideal Whitehead graphs to give information about the set of invariant "axes" for a fully irreducible outer automorphism. We build on this work and describe when having a particular ideal Whitehead graph is "stable". This is joint work with Yael Algom-Kfir and Ilya Kapovich.