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$\mathrm{Out}(F)$ *and its relatives*

The outer automorphism group $\mathrm{Out}(F)$ of a free group of finite rank shares many properties with linear groups and the mapping class group $\mathrm{Mod}(S)$ of a surface, although the techniques for studying $\mathrm{Out}(F)$ are often quite different from the latter two. Motivated by analogy, I will present some results about $\mathrm{Out}(F)$, previously well-known for the mapping class group, and highlight some of the features in the proofs which distinguish it from $\mathrm{Mod}(S)$.

This is joint work with Matt Clay.