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The group of stable self-homotopy equivalences

The purpose of our talk is to give a unified approach to some older and some recent structural results on the group of stable self-equivalences of finite complexes. We will explain how most of the results follow from two facts: that the group of stable self-equivalences is a group of units of a ring, and that there is a nice representation of that ring into the ring of stable self-maps of a wedge of spheres.