1009-37-188   **Andrew Dykstra*** (`dykstraa@math.umd.edu`). *Good almost conjugacy for G-shifts of finite type.*

Let G be a finite group. A G-shift of finite type (G-SFT) is an SFT equipped with a continuous shift-commuting G action. Answering a question of Bill Parry, we classify irreducible G-SFTs up to right closing almost conjugacy (RCAC). In particular, for mixing G-shifts of finite type where the G action is free, the following are equivalent:

1. entropy and ideal class agree,

2. the G-SFTs are right closing almost conjugate as SFTs,

3. the G-SFTs are right closing almost conjugate.

In the general irreducible case, period and one additional invariant are also needed for the classification. The equivalence relation RCAC is of interest because of its connections with algebraic invariants, resolving maps and the measurable relation of regular isomorphism. In fact, as a corollary to our classification of RCAC, we classify regular isomorphism of irreducible G-SFTs with respect to the measures of maximal entropy. (Received August 16, 2005)