E. C. Dade. *On Stabilizer Limits of Irreducible Characters.*

We are considering pairs (G, χ) consisting of a finite group G and a character $\chi \in \mathrm{Irr}(G)$. Suppose that $N \lhd G$ and that $\theta \in \mathrm{Irr}(N)$ lies under $\chi \in \mathrm{Irr}(G)$. Then the stabilizer G_θ of θ in G, and the unique character $\chi_\theta \in \mathrm{Irr}(G_\theta)$ lying over θ and inducing χ, form a *Clifford reduction* (G_θ, χ_θ) for the pair (G, χ). Repeating this process until no more proper Clifford reductions are possible, we reach a *stabilizer limit* (K, ψ) of the original pair (G, χ).

Suppose that (L, χ) is another stabilizer limit of (G, χ). Let $1 = K_0 \lhd K_1 \lhd \cdots \lhd K_k = K$ and $1 = L_0 \lhd L_1 \lhd \cdots \lhd L_l = L$ be composition series for the groups K and L respectively. Examples show that k need not equal l. Nevertheless, the number of non-abelian composition factors K_i/K_{i-1} or L_j/L_{j-1} is the same in both series. In fact, the non-abelian composition factors for one series are pairwise isomorphic to those for the other series. A couple of other invariants for these non-abelian composition factors are preserved under these isomorphisms.