

March 4: George Lusztig (MIT), *On induction of class functions*.

Let G be a reductive connected group over F_q and let L be a Levi subgroup defined over F_q of a parabolic P of G . Then one has the cohomological induction map $R_{L,P}^G$ from class functions on $L(F_q)$ to class functions on $G(F_q)$. When L is a torus, this map appeared in my 1976 paper with Deligne and is independent of P . In the general case it is also known to be independent of P but only if we assume that q is large. We now define in a different way a map from class functions on $L(F_q)$ to class functions on $G(F_q)$ which does not depend on P and which coincides with the previous map when q is large.