1033-55-44   **Christopher P French*** (`frenchc@grinnell.edu`), Noyce Science Center, Grinnell College, Grinnell, IA 50112. *A splitting of $Q_G S^0$ at a prime p.*

Suppose p is a prime and G is a finite group such that none of the prime factors of the order of G are congruent to 1 modulo p. I will describe work in which I have shown that, under certain conditions on the order of G, the p-completion of the G-connected cover of $Q_G S^0$ splits up to homotopy as a product, with one factor being an equivariant analogue of the space J, containing information about the equivariant J-homomorphism. (Received August 23, 2007)