## 1044-55-174 **Daniel G. Davis\*** (dgdavis@louisiana.edu), University of Louisiana, Math Department, 1403 Johnston Street, Maxim Doucet Hall, Room 217, Lafayette, LA 70504. Using Postnikov towers to form iterated homotopy fixed point spectra.

Let G be a profinite group having finite virtual cohomological dimension and let X be a discrete G-spectrum. Also, let H be a closed normal subgroup of G and let  $X^{hH}$  be the H-homotopy fixed point spectrum. It is known that  $X^{hH}$  is a (G/H)-spectrum, but, by an example of Ben Wieland,  $X^{hH}$  is not necessarily a discrete (G/H)-spectrum, so that, in general, it is not known how to define the iterated homotopy fixed point spectrum  $(X^{hH})^{hG/H}$ . However, by using the Postnikov towers of certain spectra associated to X, we show that X is equivalent to a continuous G-spectrum Y, and, for all H,  $Y^{hH}$  is equivalent to  $X^{hH}$ . Furthermore,  $Y^{hH}$  is a continuous (G/H)-spectrum, so that there is a natural way to form  $(Y^{hH})^{hG/H}$ , which is equivalent to  $Y^{hG}$ . Thus, by regarding discrete G-spectra as continuous G-spectra (in a particular way), the difficulty with forming the iterated homotopy fixed point spectrum goes away. (Received August 31, 2008)