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Computations of ordinary equivariant cohomology for powers of cyclic groups of prime order

I will talk about my joint work with John Holler on computing the $RO(G)$ -graded coefficients of ordinary equivariant cohomology with coefficients \mathbb{Z}/p where G is a power of \mathbb{Z}/p . I will elaborate on the key step of computing the coefficients of the corresponding "geometric fixed point" spectrum and certain related spectra. By recent results of Sophie Kriz, these computations are closely related to the theory of hyperplane arrangements.