



Speaker: PJ Jedlovec
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Monday, September 11, 2017

4:00 PM

125 Hayes-Healy Hall

Title: If you like it, then you should put a Hopf ring on it

Abstract:

The notion of a "Hopf ring" was first introduced by Milgram in 1970, and since then has been used to describe and compute many different things in unstable homotopy theory, particularly the generalized (co)homology of the spaces in different omega-spectra. For instance, in their landmark 1977 paper, "The Hopf ring for complex cobordism," Ravenel and Wilson computed MU_*MU_* and BP_*BP_* , which led to a plethora of other similar and related calculations. In this talk, I will motivate and provide the definition of a Hopf ring, give examples of its usefulness, and finally demonstrate why even non-homotopy theorists should care about these results.