

1136-55-376

Cary Malkiewich and **Mona Merling*** (mmerling@jhu.edu), 1931 17th St apt 302,
Washington, DC 20009. *Toward the equivariant parametrized stable h-cobordism
theorem.* Preliminary report.

Waldhausen's introduction of A-theory of spaces revolutionized the early study of pseudo-isotopy theory. Waldhausen proved that the A-theory of a manifold splits as its suspension spectrum and a factor $\text{Wh}(M)$ whose first delooping is the space of stable h-cobordisms, and its second delooping is the space of stable pseudo-isotopies. I will describe a joint project with C. Malkiewich aimed at telling the equivariant story if one starts with a manifold M with group action by a finite group G . (Received January 20, 2018)