1067-55-273   **Amanda C Hager*** (`amanda.hager@usma.edu`), 240 Thayer Hall, West Point, NY 10996.
Freeness of Arrangement Bundles.

A hyperplane arrangement is a finite collection of hyperplanes in any vector space. I investigate the relationship between the topology of the complement of an arrangement and certain algebraic objects related to an arrangement such as the module of derivations. In particular, Falk and Proudfoot conjectured that this module is well-behaved with respect to fibrations of the complement. I will give results toward this conjecture. (Received August 15, 2010)