1128-55-343 **Matthew S Broussard*** (`mbroussard@math.wsu.edu`). *Detecting Evasion Paths in Sensor Networks.*

In "Evasion paths in mobile sensor networks", Henry Adams and Gunnar Carlsson discuss necessary and sufficient conditions for the existence of an evasion path in a network of mobile ball-shaped planar sensors measuring connectivity and rotation information. I will discuss the results of Adams and Carlsson, expand on the reasoning behind their method, and perhaps discuss ways in which their method can be expanded to encompass sensors of alternate convex shapes. (Received February 28, 2017)