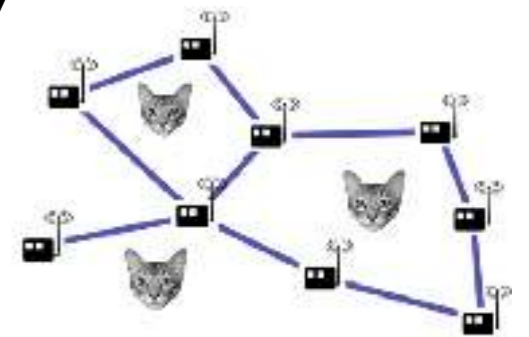


# Michigan Math Club

Thursday at 4pm in the Nesbitt Room  
Free Pizza and Pop

## Coordinating sensors using topology

Feng Zhu



Abstract for 13 October 2016

Suppose we have a room, covered by a network of sensors, with a bunch of cats in it. Each sensor reports the number of cats it detects inside its range. How should we aggregate the overlapping sensor counts to obtain an accurate total number of cats in the room? In this talk we will see how some relatively simple topological tools can help with this and other problems involving sensor networks.

