1146-05-367   **Huseyin Acan*** (`huseyin.acan@drexel.edu`) and **Boris Pittel**. *Bootstrap percolation on uniform attachment graphs.*

Bootstrap percolation is a process defined on a graph, which starts with a set S of initially infected vertices. Afterward, at each step, an uninfected vertex with at least r infected neighbors becomes infected and stays infected forever.

We study bootstrap percolation on a uniform attachment graph. This is a random graph on the vertex set $\{1, \ldots, n\}$, where each vertex v makes k selections from $\{1, \ldots, v-1\}$ uniformly and independently, and these selections determine the edge set. We start the process with a random S and our main interest is finding a threshold value of $|S|$ for the spread of infection to all vertices.

This is joint work with Boris Pittel. (Received January 27, 2019)