1120-05-183 **Deepak Bal\***, 1 Normal Ave, Montclair, NJ 07043, and **Patrick Bennett**. The greedy matching algorithm in random regular hypergraphs. Preliminary report.

A matching in a hypergraph is a collection of vertex disjoint edges. The random greedy algorithm starts with an empty matching M, and at each step inserts one edge into M, chosen uniformly at random from the set of edges that are vertex disjoint from all edges in M. In this talk we will discuss the performance of the greedy matching algorithm on the random k-uniform, r-regular hypergraph. We use the differential equations method to determine asymptotically the number of edges in the resulting matching. (Received February 21, 2016)