

DREXEL ANALYSIS SEMINAR

February 21, 2014

3-3:50 PM, Korman 245

Speaker: Daniel Parry

Title: A One-Page Proof of Dyson's Crank Distribution Conjecture

Abstract: In search of a combinatorial explanation of the Ramanujan congruences, Freeman Dyson conjectured the existence of a "crank" statistic for integer partitions. This statistic was formally defined by George Andrews and Frank Garvin in 1988. In this talk we will provide a short proof of a conjecture of Dyson which states that the crank of a random partition is logistically distributed.