Department of Mathematics, BGU

Combinatorics Seminar

On *Tuesday, December ,18 2018*

At *10:45 – 11:45*

In *101-*

Ilan Karpas

will talk about

Frankl's conjecture for dense families.

Abstract: A union closed family F is a family of sets, so that for any two sets A,B in F, A$\cup$B is also on F. Frankl conjectured in 1979 that for any union-closed family F of subsets of [n], there is some element i $\in$ [n] that appears in at least hafl the members of F.

We prove that the conjecture is true fi	F	=< 2^{n-1}, using tools from boolean analysis.