

Talk by **William Gasarch**, research by **the VDW gang!**
Sane Bounds on Some VDW-Type Numbers

In Ramsey Theory we often, to prove that a function f exists, prove that it is bounded by another function F that is EEEEEENORMOUS. The big open question is What Is the true growth rate of f ?

We approach this from a different angle. We will look at variants or special cases of the original theorems. In these cases we often obtain original theorems or better bounds.

This talk will survey work that I've done in this area (with many co-authors) and will touch on the multi-dim VDW theorem, Rado's theorem, and the Poly VDW theorem.