## R. Guralnick. Uncertainty and a Theorem of Cebotarev.

I will talk about the result of Cebatorev that every minor of the  $p \times p$  Vandermonde matrix corresponding to the *p*th root of unity (with *p* prime) is nonsingular in characteristic zero. We will see that this is related to the fact if that if a function on  $\mathbb{Z}/p\mathbb{Z}$  is nonzero, then either it or its Fourier transform has large support. We will discuss some generalizations of this result to general finite groups. This is joint work with Marty Isaacs and Daniel Goldstein.