

1077-AC-52

**Ken Ono\*** (ono@mathcs.emory.edu), Dept. of Math and Computer Sci., 400 Dowman Drive, Emory University, Atlanta, GA 30322. *The beauty and power of some recent REU papers in number theory.*

Much of the beauty in number theory arises from the fact that the problems are often quite simple to state. Power is often required to solve such problems. The speaker will describe recent results by his REU students on partitions and algebraic number fields. The results are simple to state, but their proofs required some power. (Received July 11, 2011)