

1145-VS-1334 **James Hammer** and **Joshua Harrington*** (joshua.harrington@cedarcrest.edu), 100 College Drive, Allentown, PA 18104, and **Kristina Marotta**. *Odd Coverings of Subsets of the Integers*.

Let S be a set of integers. A covering system of S is a finite collection of congruences such that every integer in the set satisfies at least one of the congruences in the collection. An odd covering of S is a covering system such that all moduli are distinct, odd, and greater than 1. Filaseta and Harvey recently investigated the existence of odd coverings of certain subsets of the integers. In this talk we extend this investigation and address a question of Filaseta and Harvey. (Received September 21, 2018)