1145-42-2034 Xiumin Du, Larry Guth, Yumeng Ou, Hong Wang, Bobby Wilson* (blwilson@uw.edu) and Ruixiang Zhang. The Falconer Distance Set Problem.

We will discuss the improvement of the results for the Falconer distance set problem in dimensions three and higher using weighted Fourier restriction estimates. (Received September 24, 2018)