

1037-43-275

Kathy D. Merrill* (kmerrill@ColoradoCollege.edu), 43981 Road L, Mancos, CO. *Dilations of \mathbb{R}^2 that have simple wavelet sets*. Preliminary report.

Partial results will be presented addressing the question of which expansive matrix dilations of \mathbb{R}^2 have wavelet sets that are finite unions of convex sets. (Received February 04, 2008)