

1035-47-1433      **Mihaela Dobrescu\*** ([mihaela.dobrescu@cnu.edu](mailto:mihaela.dobrescu@cnu.edu)) and **Gestur Olafsson**  
([olafsson@math.lsu.edu](mailto:olafsson@math.lsu.edu)). *Wavelets and Coxeter Groups*.

In this talk we review a construction of wavelet sets, as well as of multiresolution analysis multiwavelets, for which the dilation set  $D$ , not necessarily a group, is a direct product,  $D=MN$ . (Received September 19, 2007)