

1050-05-103

Jason Williford* (jason.williford@ucdenver.edu), University of Colorado Denver, Campus Box 170, P.O. Box 173364, Denver, CO 80217-3364. *Q-polynomial association schemes which are not generated by a distance-regular graph.*

In this talk we will discuss Q -polynomial schemes which are neither P -polynomial nor duals of P -polynomial schemes. Few families of such schemes are known, and only finitely many primitive examples are known. In this talk we will give a description of these schemes, including some new examples. Feasible parameter sets with three classes for which existence has yet to be determined will also be discussed. (Received February 28, 2009)