Meeting: 1003, Atlanta, Georgia, AMS CP 1, AMS Contributed Paper Session

1003-05-827 Sharon L. Sullivan* (slsulliv@catawba.edu), Catawba College, 2300 West Innes Street, Mathematics Department, Salisbury, NC 28144. Constructing Extension Configurations from $v_k$ Configurations.

Suppose we have two configurations, $(v', k', \lambda')$ and $v_k$ where there are certain conditions on $v, k, v', k', \lambda'$. In this talk, we will show how to use particular bijections to construct an extension configuration from these two types of configurations. The algorithm will be demonstrated by constructing a particular (16,6,2) configuration from an 8$_4$ and a (4,1,0). (Received September 30, 2004)