
KAREN MEAGHER, University of Regina

Covering arrays on graphs

I met Eric at the very first conference that I ever attended. At this conference I gave my preliminary work on new type of covering array. In the more than 10 years since attending this conference I have discovered that these designs are far more than a simple adaptation to improve applications covering arrays. There are strange and interesting connections between covering arrays on graphs to many other areas of mathematics such as algebraic graph theory, the theory of association schemes and representation theory. In this talk I will show how this simple design contains all sorts of excellent mathematics.