

Math Coffee

Covering Triangles

Dr. Todd Will

A non-negative integer triple (a,b,c) has size $a+b+c$ and generates the three triples $(a+1,b,c)$, $(a,b+1,c)$, and $(a,b,c+1)$. A linear program is used to determine the minimum number of size $d-1$ triples required to generate all size d triples. Extended to 4-tuples, the technique also provides a lower bound on the 4-tuples of size $d-1$ required to generate all 4-tuples of size d .

Cowley 102

Thursday, September 18

Cookies: 4:15

Talk: 4:30-5:00

The Mathematics Club invites students and faculty to join us *every* Thursday at 4:15 for coffee, cookies, and mathematical conversation in the Mathematics and Statistic Research Center, Cowley 102.