

1049-05-165

Sam Payne*, Department of Mathematics, Bldg 380, 450 Serra Mall, Stanford University,
Stanford, CA 94305. *Frobenius splittings for lattice polytopes.*

I will discuss some of the combinatorial aspects of diagonal splittings of toric varieties, with a focus on their interpretation and consequences for lattice polytopes. In particular, I will present a combinatorial solution to Oda's Problem for diagonally split lattice polytopes, based on joint work with Christian Haase. (Received March 02, 2009)