1031-13-125 **Joseph P Brennan***, Department of Mathematics, University of Central Florida, Orlando, FL 32816-1364, and **Guantao Chen**, Department of Mathematics and Statistics, Georgia State University, Atlanta, GA 30303-3083. *Degrees of generators of ideals associated with series-parallel graphs.* Preliminary report.

In their investigation of models of phylogenetic trees, Sturmfels and Sullivant conjectured that the minimal generators of certain toric ideals associated to series-parallel graphs lie in degree two. This talk will confirm this conjecture for both outerplanar graphs and books, and will discuss the problem for general series-parallel graphs. (Received August 07, 2007)