1124-57-142 **Susan G. Williams*** (swilliam@southalabama.edu) and **Daniel S. Silver** (silver@southalabama.edu). *Periodic planar graphs and links.*

A plane graph with signed edges is the Tait graph of a link diagram. We consider infinite, periodic link diagrams that arise from signed, plane graphs with free, cofinite action by $\mathbb{Z}$ or $\mathbb{Z}^2$. Such a graph determines a Laplace polynomial, with Mahler measure that gives an exponential growth rate of determinants of associated quotient links. We unify results using the framework of algebraic dynamics. (Received September 05, 2016)