

1107-57-221

**Daniel S Silver** and **Susan G Williams\*** ([swilliam@southalabama.edu](mailto:swilliam@southalabama.edu)). *Infinite Planar Graphs and Medial Link Components*. Preliminary report.

Let  $G$  be a locally finite graph with free  $Z^d$ -action. We use tools of algebraic dynamics to determine the growth rate of the number of spanning trees of increasingly large subgraphs of  $G$ . When  $d = 2$  and  $G$  is planar, we classify the components of the medial link associated to  $G$ . (Received January 15, 2015)