1139-05-300   **Caroline Accurso**, **Vitaliy Chernyshov**, **Leaha Hand** and **Sogol Jahanbekam***,
sxjsma@rit.edu, and **Paul Wenger**. *Weak Dynamic Coloring of Planar Graphs.*

The *k-weak-dynamic number* of a graph G is the smallest number of colors we need to color the vertices of G in such a way that each vertex v of degree $d(v)$ sees at least $\min\{k, d(v)\}$ colors on its neighborhood. We use reducible configurations and list coloring of graphs to prove that all planar graphs have 3-weak-dynamic number at most 6. (Received February 14, 2018)