

1106-VN-2492 **Oscar Levin** (oscar.levin@unco.edu), School of Mathematical Sciences, University of Northern Colorado, Greeley, CO 80639, and **Catrina Myrant*** (myra9229@bears.unco.edu). *Coloring Around Faces to Count Daisies.*

A planar graph is one that can be drawn in the plane without edges crossing. However this embedding need not be unique. To distinguish between different embeddings of a single planar graph we introduce the *face-wise chromatic number*. This is analogous to the usual chromatic number, except now we require vertices incident to the same face to be colored distinctly. We will investigate the face-wise chromatic number for a particular class of graphs called *daisy graphs*. This will give insight into the behavior of the face-wise chromatic number and conversely suggests a way to classify different planar embeddings of these graphs. (Received September 16, 2014)