M. O. Albertson and J. P. Hutchinson* (hutchinson@macalester.edu), Macalester College, Department of Mathematics and Computer Scienc, St Paul, MN 55105, and R Ramamurthi. On list-coloring outerplanar graphs. Preliminary report.

An outerplanar graph is 3-list-colorable since each contains a vertex of degree two. When these degree-2 vertices have a list of size two and other vertices have larger lists, the outerplanar graph may or may not be list-colorable. We investigate outerplanar near-triangulations and near-quadrangulations, and determine classes of graphs that can and cannot be so list-colored. (Received August 24, 2005)