1026-05-11 **Brian Heinold*** (heinold@msmary.edu), Dept. of Mathematics and Computer Science, Mount St. Mary's University, Emmitsburg, MD 21727. Sum List Coloring.

Let f be a function assigning list sizes to the vertices of a graph G. The graph G is said to be f-choosable if for every assignment of lists to the vertices of G with list sizes given by f, there exists a coloring of G from the lists (with adjacent vertices receiving different colors). The sum choice number is the minimum of the sum of the list sizes of f taken over all functions f for which G is f-choosable. Roughly, the sum choice number is a measure of how small one can make the list sizes and still be guaranteed that every assignment of lists has a proper coloring. We will survey new and known results concerning the sum choice number. (Received December 14, 2006)