

Equitable Choosability of Prism Graphs

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Suppose each vertex of a graph G is assigned a list of k colors. We say G is properly list colored if each vertex is given a color from its list so that no two adjacent vertices are colored the same. This k -list-coloring of G is equitable if each color is chosen for at most $\lceil V(G)/k \rceil$ vertices. We say G is equitably k -choosable if such a coloring exist for every assignment of lists of size k . In this talk, we will investigate the equitable choosability of prism graphs. This is joint work with Kirsten Hogenson (Skidmore College) and Suzanne O'Hara (Wesleyan University).

Keywords: vertex coloring, list coloring, equitable choosability, prism graphs