

Adjacent Vertex Distinguishing Total Coloring of Corona Product of Graphs

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An adjacent vertex distinguishing total k -coloring f of a graph G is a proper total k -coloring of G such that no pair of adjacent vertices has the same color sets, where the color set at a vertex v , $C_f^G(v)$, is $\{f(v)\} \cup \{f(vu) | u \in V(G), vu \in E(G)\}$.

In 2005 Zhang et al. posted the conjecture (AVDTCC) that every simple graph G has adjacent vertex distinguishing total $(\Delta(G) + 3)$ -coloring.

In this talk we consider adjacent vertex distinguishing total k -coloring of many coronas, in particular for generalized, simple and l -coronas of graphs.

References

- [1] H. Hanna Furmańczyk, and Rita Zuazua, Adjacent Vertex Distinguishing Total Coloring of Corona Product of Graphs. To sent.