

A generalization of an enumeration on self-complementary graphs for edge colored graphs

Kumi Kobata

OCAMI, Osaka City University

Abstract. We plan to give a generalization of Tazawa-Ueno's theorem. Tazawa-Ueno's theorem is a formula for enumeration on self-complementary bipartite graphs with given number of vertices. We generalize the enumeration to edge colored bipartite graphs. We also consider the case of edge colored digraphs as well as ordinary graphs. This talk is a joint work with Yasuo Ohno.