

Seminario de Grafos

Speaker: Georgios Kontogeorgiou, (CMM).

Title: Rainbow path separation systems (RPSS)

Abstract: A family of paths P in a graph G is (k,t) -rainbow separating if it can be coloured with k colours such that for every t -tuple of edges $e_1, \dots, e_t$ there exist t paths $P_1, \dots, P_t$ of distinct colours such that P_i contains the edge e_i and does not contain any other edge of the t -tuple. Much work has been done on $(\infty,2)$ -RPSS, also known as strong path separation systems. In this talk I will present some optimal results on $(2,2)$ -RPSS, together with a more general treatise on $(k,2)$ -RPSS for all values of k .

This is joint work with Alexander Clifton, Ana Laura Trujillo-Negrete, and Taruni Sai Sridhar.

Friday 2th, 10:00 at room Jacques L Lions.

