





Combinatorics Seminar

Friday February 8, 2013 at 2PM

Room B1.01

Teresa Sousa

(UNL Lisbon)

Monochromatic K_r -decompositions of graphs

Given graphs G and H, and a colouring of the edges of G with k colours, a monochromatic H-decomposition of G is a partition of the edge set of G such that each part is either a single edge or forms a monochromatic graph isomorphic to H. Let $\phi_k(n,H)$ be the smallest number t such that any graph G of order n and any colouring of its edges with k colours admits a monochromatic H-decomposition with at most t parts. Results for the function $\phi_k(n,K_r)$ for $k \ge 2$ and $r \ge 3$ will be presented.

There will be refreshments for the attendees.

Please bring your own mugs (for coffee/tea) if possible.

Everyone is welcome.



warwick.ac.uk/combinatorics