



# SEMINARIUM MATEMATYKA DYSKRETNA

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## RAINBOW CONNECTION - NEW RESULTS AND PROBLEMS

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An edge-coloured graph  $G$  is rainbow connected, if any two vertices are connected by a path whose edges have distinct colours. The rainbow connection number of a connected graph  $G$ , denoted  $rc(G)$ , is the smallest number of colours that are needed in order to make  $G$  rainbow connected. In this talk we will present new results and open problems for rainbow connection in graphs.