



SUPERARITHMETIC GRAPHS

Andrea Semaničová

A graph is called d-arithmetic (d-superarithmetic) if it admits a labelling of the edges by pairwise different (and consecutive) integers such that the vertex sums form an arithmetic sequence with the difference d. In this talk we will present some necessary conditions for d-arithmetic and d-superarithmetic graphs. We will also describe some constructions of d-arithmetic and d-superarithmetic graphs.

e-mail: csgt2007@vsb.cz web: http://graphs.vsb.cz/grafy2007