

ON GENERALIZED SIERPIŃSKI GRAPHS

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Abstract

In this paper we obtain closed formulae for several parameters of generalized Sierpiński graphs $S(G, t)$ in terms of parameters of the base graph G . In particular, we focus on the chromatic, vertex cover, clique and domination numbers.

Keywords: Sierpiński graphs, vertex cover number, independence number, chromatic number, domination number.

2010 Mathematics Subject Classification: 05C76, 05C69, 05C15.

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Received 27 December 2015

Revised 18 May 2016

Accepted 20 May 2016