

NOTE

ON THE ERDŐS-GYÁRFÁS CONJECTURE IN CLAW-FREE GRAPHS

POURIA SALEHI NOWBANDEGANI¹, HOSSEIN ESFANDIARI²

MOHAMMAD HASSAN SHIRDAREH HAGHIGHI¹ AND KHODAKHAST BIBAK³

¹ *Department of Mathematics*
Shiraz University
Shiraz 71454, Iran

² *Department of Computer Science*
University of Maryland College Park
College Park, MD 20742, USA

³ *Department of Combinatorics and Optimization*
University of Waterloo
Waterloo, Ontario, Canada N2L 3G1

e-mail: pouria.salehi@gmail.com
hossein@cs.umd.edu
shirdareh@susc.ac.ir
kbibak@uwaterloo.ca

Abstract

The Erdős-Gyárfás conjecture states that every graph with minimum degree at least three has a cycle whose length is a power of 2. Since this conjecture has proven to be far from reach, Hobbs asked if the Erdős-Gyárfás conjecture holds in claw-free graphs. In this paper, we obtain some results on this question, in particular for cubic claw-free graphs.

Keywords: Erdős-Gyárfás conjecture, claw-free graphs, cycles.

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