

HYPERGRAPHS WITH PENDANT PATHS ARE NOT CHROMATICALLY UNIQUE

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Abstract

In this note it is shown that every hypergraph containing a pendant path of length at least 2 is not chromatically unique. The same conclusion holds for h -uniform r -quasi linear 3-cycle if $r \geq 2$.

Keywords: sunflower hypergraph, chromatic polynomial, chromatic uniqueness, pendant path.

2010 Mathematics Subject Classification: 05C15; 05C65.

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Received 7 May 2012

Revised 11 October 2012

Accepted 15 October 2012