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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.

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