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**Two new classes of chromatically unique graphs.** (Chinese. English summary) Zbl 1268.05080  
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Summary: As usual,  $P_n$  and  $C_n$  denote the path and cycle of order  $n$ , respectively. Let  $D_n$  be the graph obtained by identifying a vertex of  $K_3$  with a 1-degree vertex of  $P_{n-2}$ . In the present article, the coloring of two classes of graphs,  $(D_{m_1} \cup \cdots \cup D_{m_k}) \cup (P_{n_1} \cup \cdots \cup P_{n_t})$  and  $(D_{m_1} \cup \cdots \cup D_{m_k}) \cup (C_{n_1} \cup \cdots \cup C_{n_t})$ , is investigated, and their chromatic uniqueness under certain conditions is proved.

**MSC:**

05C15 Coloring of graphs and hypergraphs  
05C38 Paths and cycles

Cited in 1 Document

**Keywords:**

path; cycle