Injective choosability of subcubic planar graphs with girth 6

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An injective coloring of a graph G is an assignment of colors to the vertices of G so that any two vertices with a common neighbor have distinct colors. A graph G is injectively k-choosable if for any list assignment L, where $|L(v)| \geq k$ for all $v \in V(G)$, G has an injective L-coloring. In this talk, we show that subcubic planar graphs with girth at least 6 are injectively 5-choosable.

Keywords: injective choosability, planar graphs

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