



SEMINARIUM MATEMATYKA DYSKRETNA

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Note on robust coloring of planar graphs

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We consider the 1-robust chromatic number $\chi_1(G)$ of planar graphs G and focus on the existence/non-existence of planar graphs G with $\chi_1(G) = 3$, thus answering the recent question of Bacsó et al. (Robust Chromatic Number of Certain Classes of Graphs, preprint arXiv no. 2305.01927).