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Toric Colorability of Graphs of Simplicial d-**Polytopes with** $+4$ **vertices**

Thursday, 29 August 2024 13:30 (1 hour)

The 1-skeleton of a convex polytope P is called the graph of P.
A graph of a simplicial d-polytope is said to be toric colorable if there is a vertex coloring $\lambda\colon V(G) \to \mathbb{Z}^d$
such that $\{v_1, \ldots, v_d\}$ forms a face of P implies that $\{\lambda(v_1), \ldots, \lambda(v_d)\}$ is unimodular.
In this talk, we discuss the toric colorability of graphs of simplicial d-polytopes with $d + 4$ vertices.

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