The Erdős-Szekeres Problem in 3D

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Research Project. Given a positive integer $n > 3$, there is an integer $f(n)$ such that any set of $f(n)$ or more points in general position in $\mathbb{R}^3$ contains n points which are the vertices of a convex polytope. Little is known about the exact values of $f(n)$ when $n \geqslant 7$. The project goal is to improve the existing lower and upper bounds for $f(n)$.

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