

1021-05-153

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While the Upper Bound Theorem that provides sharp upper bounds on the face numbers of all polytopes is a classic by now, the situation for centrally symmetric polytopes is wide open. For instance, the largest number of edges, $e(d, n)$, that a d -dimensional centrally symmetric polytope on n vertices can have is unknown even for $d = 4$. We show that for (even) $d > 3$,

$$1 - 1/(d - 1) + o(1) \leq e(d, n) / \binom{n}{2} \leq 1 - 1/2^d + o(1).$$

We also provide certain bounds on the maximal possible number of higher-dimensional faces. The methods we use come from elementary analysis. (Received September 03, 2006)