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Title: On the volume of the convex hull of $d + 1$ segments in \mathbb{R}^d

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Let $d \geq 2$, $m \geq d$, and u_1, \dots, u_m be non-zero vectors linearly spanning \mathbb{R}^d . The note is devoted to the problem of minimizing the volume of the polytopes $P := \text{conv}(I_1 \cup \dots \cup I_m)$, where, for $j = 1, \dots, m$, I_j is a translate of $\text{conv}\{o, u_j\}$. The solution of this problem for the case $m = d$ was previously known. For the case $m = d + 1$ the minimal volume is evaluated and the class of minimizing polytopes P is studied.

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