ON TWO PROBLEMS OF CONVEX GEOMETRY

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In this article, two problems are considered which were posed by E. Heil. The first problem is devoted to finding the minimal volume of the convex hull of some segments in a space of the corresponding dimension. The second problem concerns some sufficient conditions for constancy of the width of a convex body in a Euclidean space.

Key words and phrases: convex body, volume of a body of constant width, convex body geometry, Euclidean geometry.

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