

## Werk

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## Summary

### A NOTE ON LINEAR MEASURE OF VITUSHKIN'S SETS

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It is shown that there is a compact set  $M \subset \langle 0, 1 \rangle \times \langle 0, 1 \rangle \subset R^2$  with linear Hausdorff measure 1 but such that its orthogonal projections on the coordinate axes are the whole segments  $\langle 0, 1 \rangle \times \{0\}$ ,  $\{0\} \times \langle 0, 1 \rangle$ . The construction of that set is the same as the Vitushkin's construction of the set with positive linear measure but with zero analytic capacity.