

## Abstract

In 1918 Pólya formulated the following problem: “*How thick must the trunks of the trees in a regularly spaced circular orchard grow if they are to block completely the view from the center?*”(G. Pólya and G. Szegő, *Problems and Theorems in Analysis*, vol.2, Chap.5, Problem 239, Springer Verlag, New York, 1976.). We study a more general orchard model, namely any domain that is compact and convex, and find an expression for the minimal radius of the trees. As an example, rhombus-shaped orchards are treated in some depth. Finally, we give some estimates for the minimal radius of the trees if we see the orchard as being 3-dimensional.