

## Aerodynamics of glider Optimus

Wing area  $S=0,808 \text{ m}^2$

Flying Weight  $G=1.85 \text{ kg}$

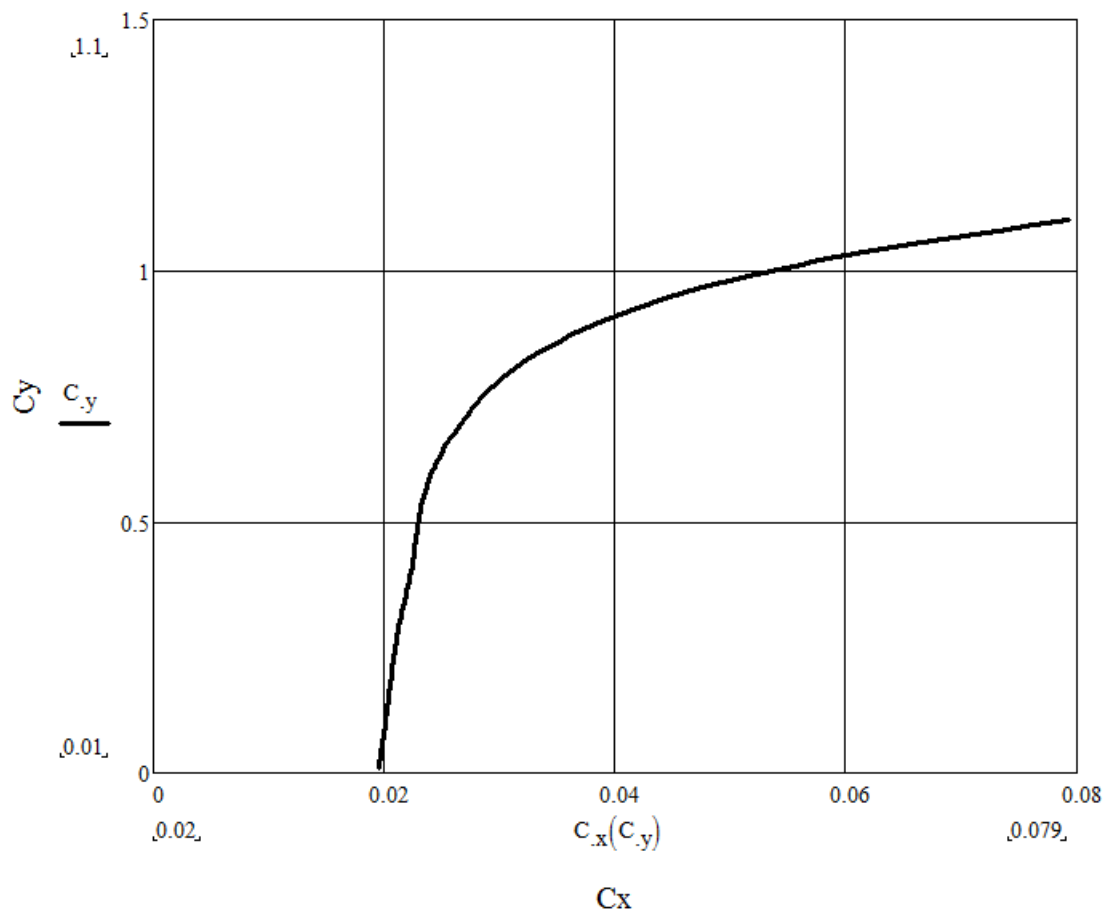
Flight speed -  $30 \text{ km / h} = 8.3 \text{ m / s}$

The kinematic viscosity of air  $\nu = 14.296$

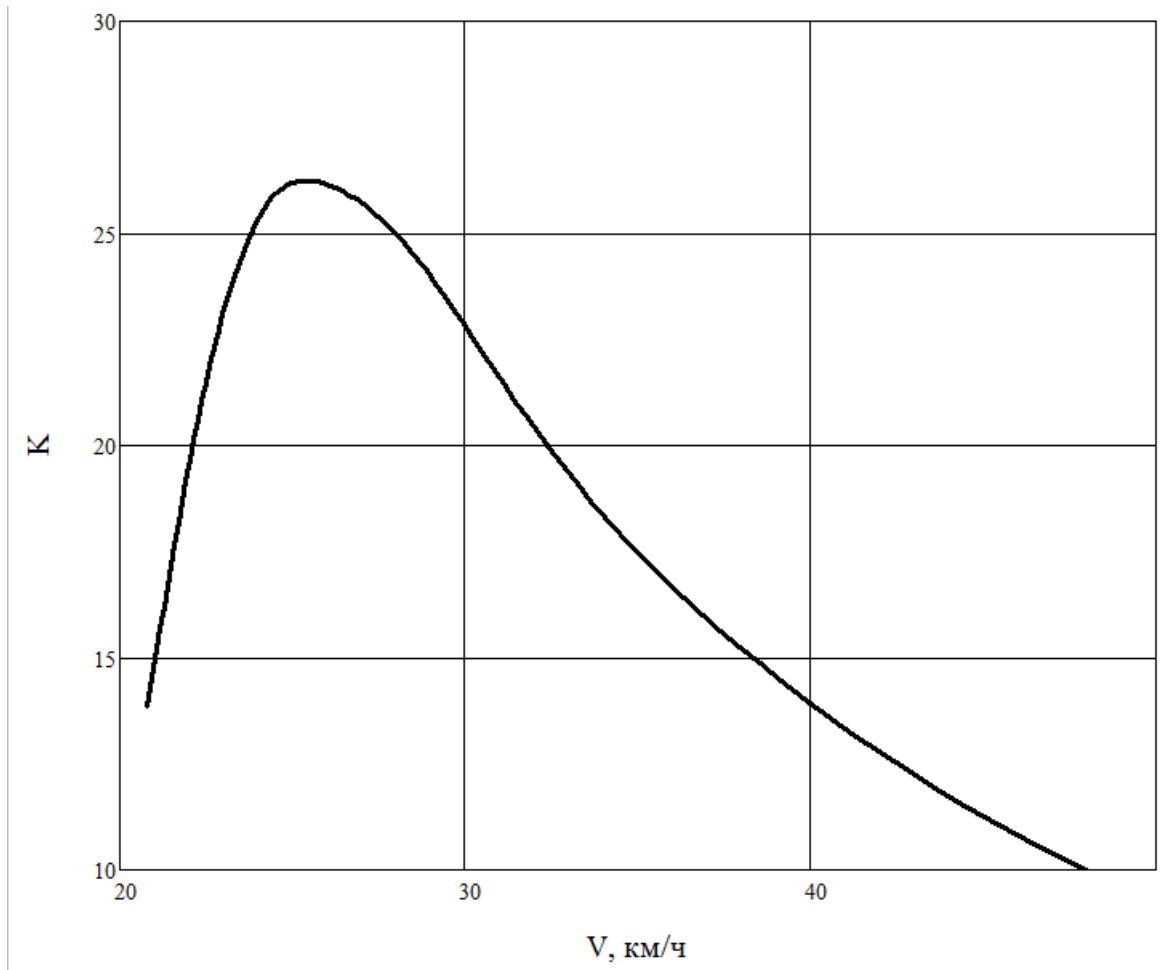
The geometric mean chord -  $201 \text{ mm}$

Estimated number of Reynolds  $Re = 120000$

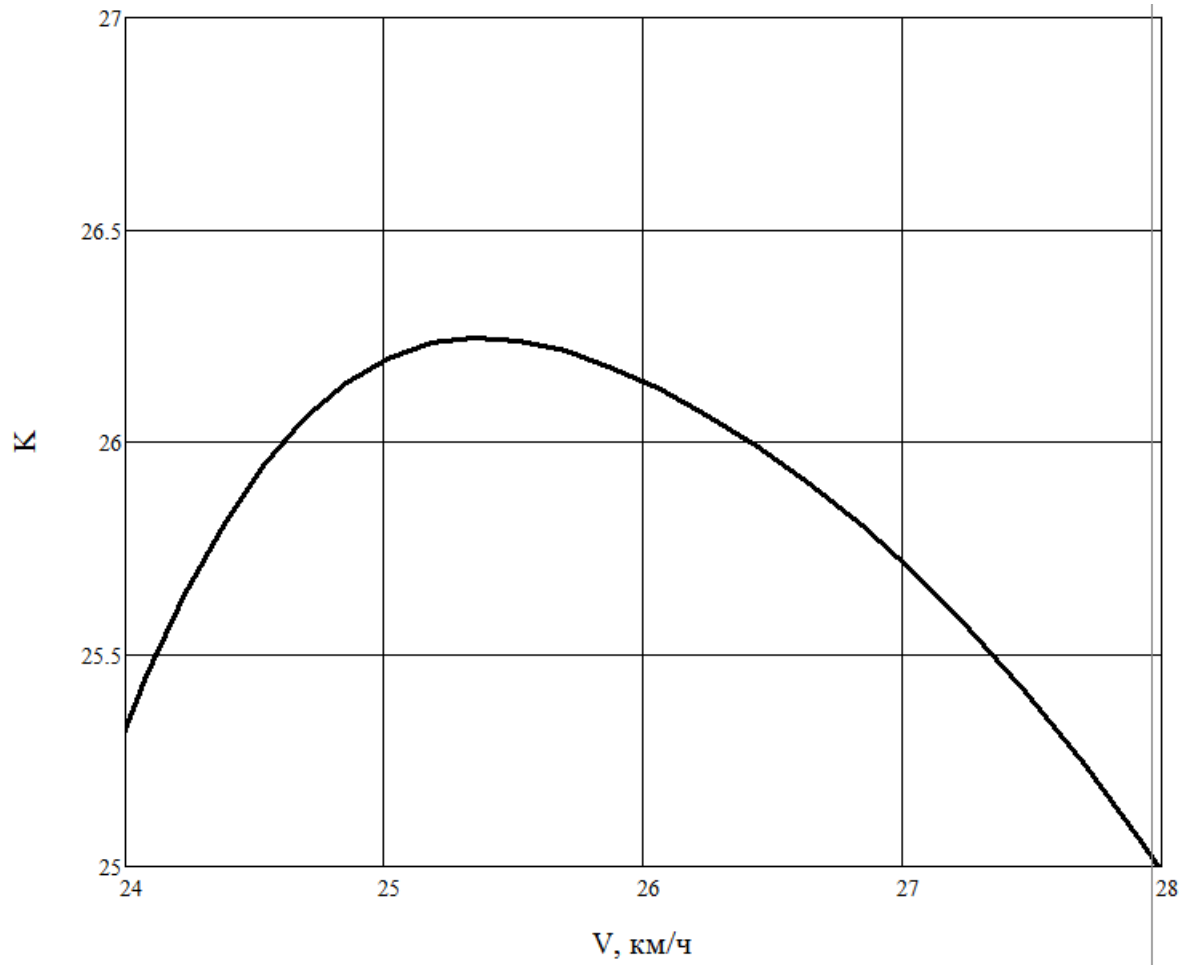
### The polar of glider Optimus:



**The dependence of the aerodynamic qualities from the flight speed:**



**Area of maximum aerodynamic efficiency:**



### Speed polar of glider "Optimus"

