

Parabola – vrchol $V = [c; d]$, os o rovnobežná s osou x

Ohnisko $F = [c + \frac{p}{2}; d]$, riadiaca priamka $r: x = c - \frac{p}{2}$.

$$k_x: (y-d)^2 = 2p(x-c), \text{ resp. } y = d \pm \sqrt{2p(x-c)}, \quad p(x-c) \geq 0.$$