Neke poznate krive

(1) prava $\alpha(t) = u + tv$, $u, v \in \mathbb{R}^n$, $n = 2, 3$, $v \neq 0$, $t \in (-\infty, \infty)$;

(2) Arhimedova spirala $\rho = a\theta$;

(3) astroida $\alpha(t) = (a\cos^3 t, a\sin^3 t)$, $t \in (0, 2\pi]$, $a > 0$, $x^{\frac{2}{3}} + y^{\frac{2}{3}} = a^{\frac{2}{3}}$, $a > 0$;

(4) Bernoulli-jeva lemniskata $\alpha(t) = \left(\dfrac{a\cos t}{1 + \sin^2 t}, \dfrac{a\sin t \cos t}{1 + \sin^2 t} \right)$, $t \in (0, 2\pi)$;

(5) Cassini-jevi ovali $(x^2 + y^2)^2 + 2a^2(y^2 - x^2) = b^4 - a^4$;

(6) cikloide $\alpha(t) = (at - b\sin t, a - b\cos t)$, $t \in (0, 2\pi]$, za $a = b$, $x = a\,arccos\dfrac{a - y}{a} - \sqrt{2ay - y^2}$;

(7) Descartes-ov list $\alpha(t) = \left(\dfrac{3t}{1 + t^3}, \dfrac{3t^2}{1 + t^3} \right)$, $x^3 + y^3 = 3xy$;

(8) Diocles-ova cisoida $\alpha(t) = \left(\dfrac{2at^2}{1 + t^2}, \dfrac{2at^3}{1 + t^2} \right)$, $x^3 + xy^2 - 2ay^2 = 0$;

(9) elipsa $\dfrac{x^2}{a^2} + \dfrac{y^2}{b^2} = 1$, $\alpha(t) = (a\cos t, b\sin t)$, $t \in (0, 2\pi]$, $a, b > 0$;

(10) epicikloide $\alpha(t) = (R(m+1)\cos(mt) - Rm\cos t(m+1), R(m+1)\sin(mt) - Rm\sin t(m+1))$;

(11) hiperbola $\dfrac{x^2}{a^2} - \dfrac{y^2}{b^2} = 1$, $\alpha(t) = (a\cosh t, b\sinh t)$, $t \in (0, 2\pi]$, $a, b > 0$;

(12) hipocikloide $\alpha(t) = (R(1-m)\cos(mt) + Rm\cos t(1-m), R(m-1)\sin(mt) + Rm\sin t(m-1))$;

(13) kardioida $\alpha(t) = (2a\cos t(1 + \cos t), 2a\sin t(1 + \cos t), t \in (0, 2\pi)$;

(14) krug $\alpha(t) = (r\cos t, r\sin t)$, $t \in (0, 2\pi]$, $r > 0$; $x^2 + y^2 = r^2$;

(15) lančanica $y = a\cosh\frac{x}{a}$, $a > 0$, $\alpha(t) = \left(t, a\cosh\left(\dfrac{t}{a} \right) \right)$;

(16) logaritamska spirala $r(\theta) = ae^{b\theta}$; $\alpha(t) = (ae^{bt}\cos t, ae^{bt}\sin t)$;

(17) parabola $y^2 = 2px$, $\alpha(t) = (2pt^2, 2pt)$;

(18) sinusoidne spirale $\rho^m = a^m\cos m\theta$;

(19) traktrisa ("dog curve") $\alpha(t) = a\left(\sin t, \cos t + \log\left(\tan\left(\dfrac{t}{2} \right) \right) \right)$;

(20) (desni kružni) heliks $\alpha(t) = (a\cos t, a\sin t, bt)$, $a > 0$, $t \in (0, \infty)$;

(21) (desni kružni) konusni heliks $\alpha(t) = (at\cos t, at\sin t, bt)$, $a > 0$, $t \in (0, \infty)$;

(22) Vivijanijeva kriva $\alpha(t) = a(1 + \cos t, \sin t, 2\sin\frac{t}{2})$, $a > 0$;