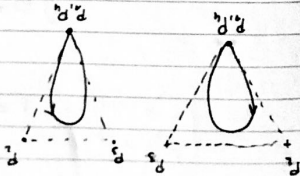
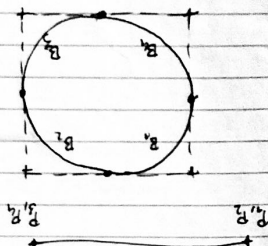


Dezice křivky

$\frac{p_1}{p_2}$

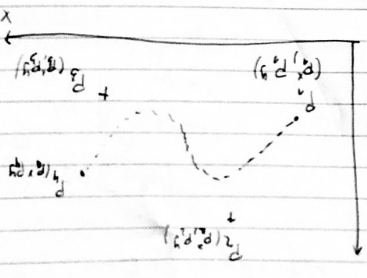
$$y(t) = (-t^3 + 3t^2 - 3t + 1) \cdot p_1 + (3t^3 - 6t^2 + 3t) \cdot p_2 + (-3t^3 + 3t^2 + 2) \cdot p_3 + t^4 \cdot p_4$$

$$x(t) = (-t^3 + 3t^2 - 3t + 1) \cdot p_1 + (3t^3 - 6t^2 + 3t) \cdot p_2 + (-3t^3 + 3t^2 + 2) \cdot p_3 + t^4 \cdot p_4$$



Matematika I

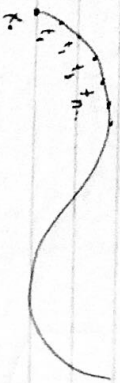
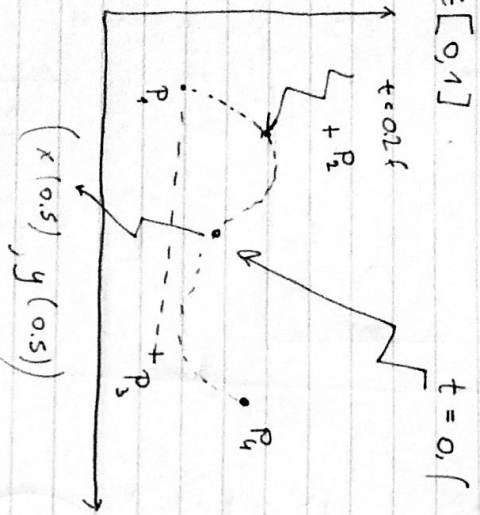
Parametrizace křivky třetím stupně



$$B = \begin{bmatrix} 1 & 3 & -5 & 1 \\ 3 & -6 & 3 & 0 \\ 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \end{bmatrix}$$

$$t = 0 \quad \left. \begin{array}{l} x(0) = P_a^x \\ y(0) = P_a^y \end{array} \right\} P_a \quad t = 1 \quad \left. \begin{array}{l} x(1) = P_b^x \\ y(1) = P_b^y \end{array} \right\}$$

$t \in [0, 1]$



$\Delta t = 0,1$

$t \in [0, 1]$

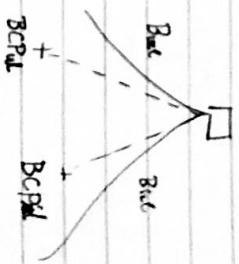
$\Delta t = 0,1$
11 tova

$$\begin{aligned} t_1 &= t_0 + \Delta t = 0 + 0,1 = 0,1 & \text{brz} &= \frac{1}{\Delta t} + 1 \\ t_2 &= 0,2 \\ t_3 &= 0,3 \\ t_4 &= 0,4 \\ &\vdots \end{aligned}$$

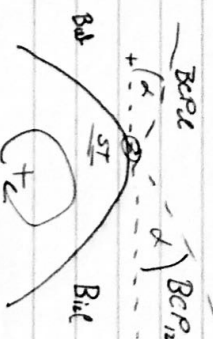
SPOJNE BEZIEL TOČKE

3 vrste : 1. kutni spoj

um spoj - □



2. krivuljni spoj



3 Tangentni spoj

