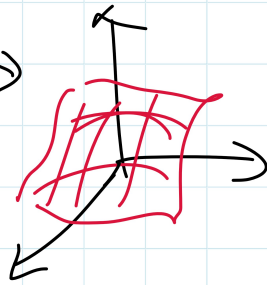
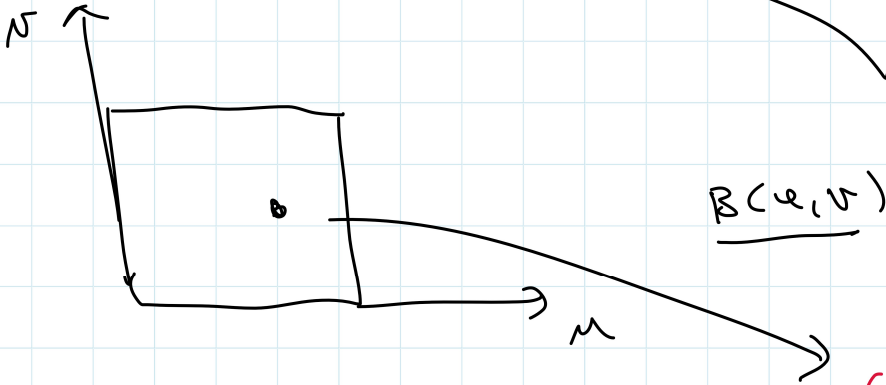
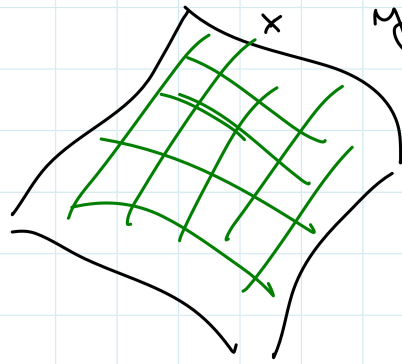
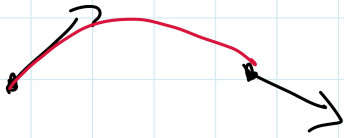
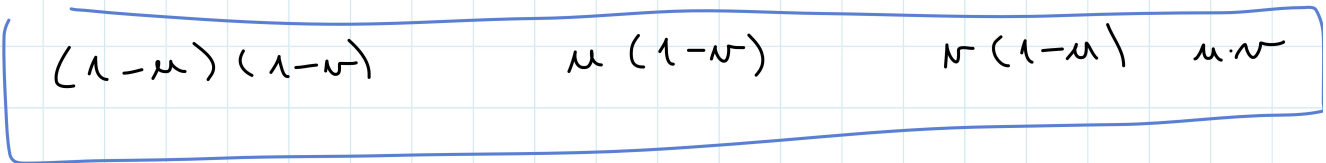


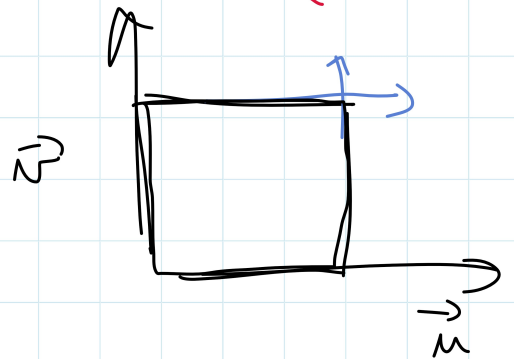
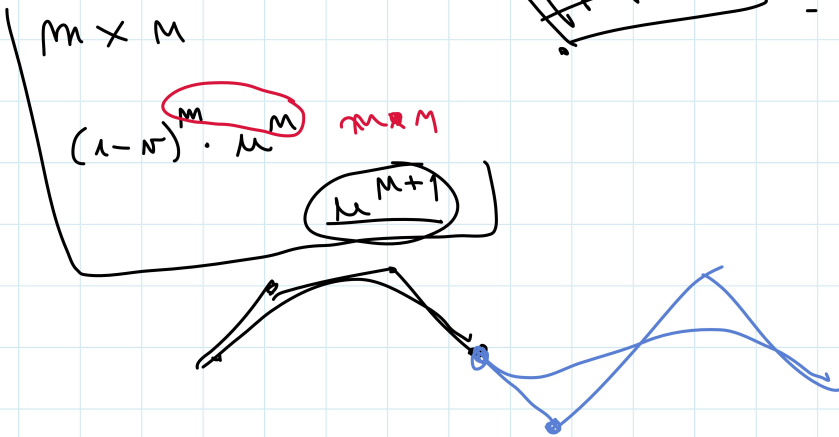
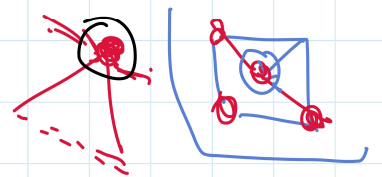
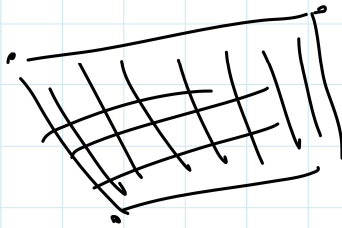
$$P(u, v) = (u \cdot v, u^2, v^2)$$



$$B_1^1 = \mu \quad B_0^1 = (1 - \mu)$$

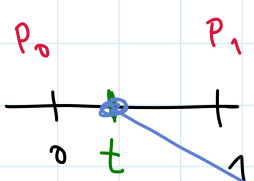


~~μ^2~~
 ~~ν^2~~



$$B_i^M(t) \quad i=0 \dots M$$

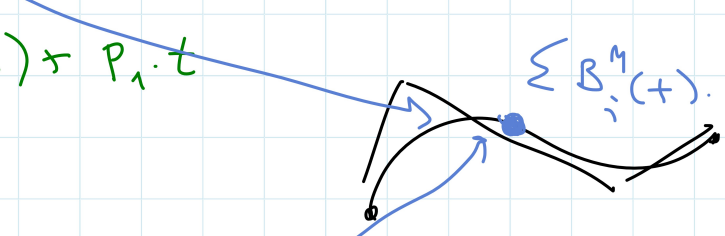
like $P^M(x)$



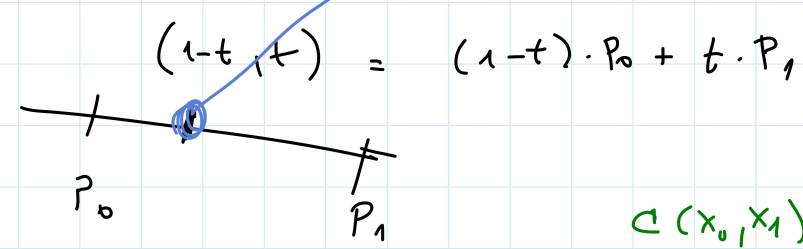
$$\boxed{(1-t)} \quad \boxed{t}$$

$$B_3^4(t) = \binom{4}{3} t^3 \cdot (1-t)^1 = \binom{4}{3} x_0^1 x_1^3$$

$$t = P_0(1-t) + P_1 \cdot t$$



$$\begin{cases} x_0 + x_1 = 1 \\ i + j = 4 \end{cases}$$



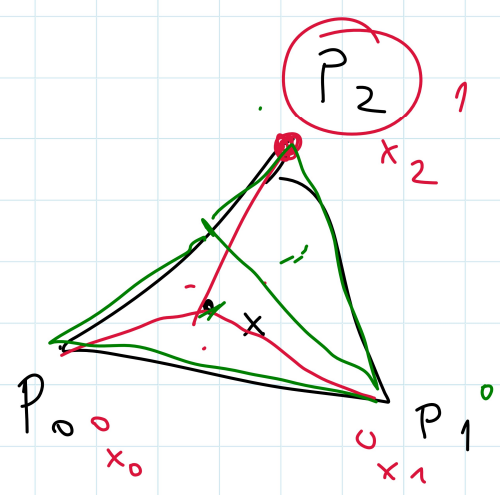
$$C(x_0, x_1) = \sum \binom{4}{i} x_0^i x_1^{4-i}$$

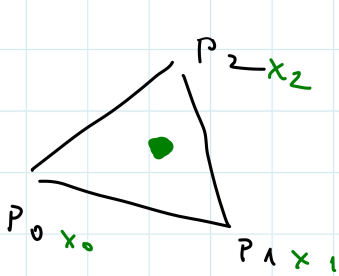
$$\begin{aligned} &P_0 \cdot x_0 + P_1 \cdot x_1 \\ &\underline{x_0 + x_1 = 1} \end{aligned}$$

$$\begin{aligned} &x_0 + x_1 = 1 \\ &i + j = 4 \end{aligned}$$

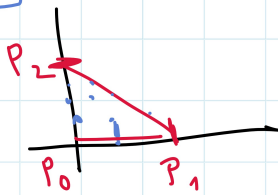
$$\begin{aligned} &x_0 = (1-t) \\ &x_1 = t \end{aligned}$$

$$\begin{aligned} &j = j \\ &i = (4-j) \end{aligned}$$





$[0, 1]$



$$\begin{aligned} x_0 &= \mu \\ x_1 &= \nu \\ x_2 &= (1 - \mu - \nu) \end{aligned}$$

$$\mu \in (0, 1)$$

$$\nu \in (0, 1 - \mu)$$

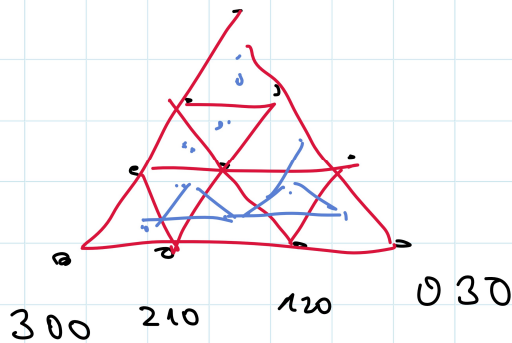
$$\sum_{\substack{i \in (0, \dots, m) \\ j \in (0, \dots, m-i)}} P_{i,j}$$

$$\frac{m!}{i! \cdot j! \cdot (m-i-j)!}$$

$$\mu^i \cdot \nu^j \cdot (1 - \mu - \nu)^{m-i-j}$$

003

$B^3_{3,0,0}$

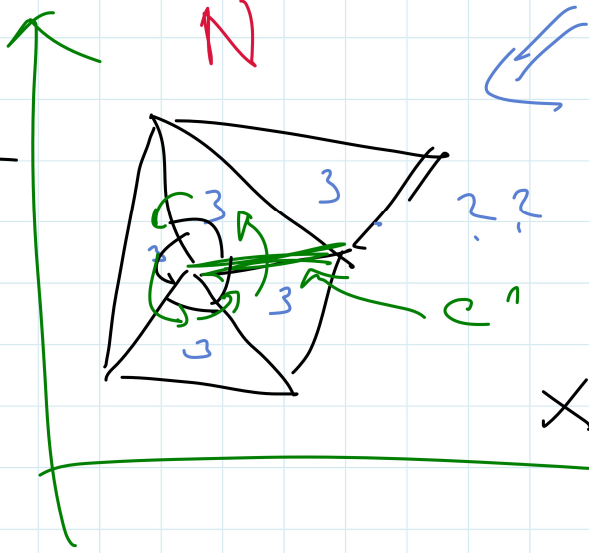
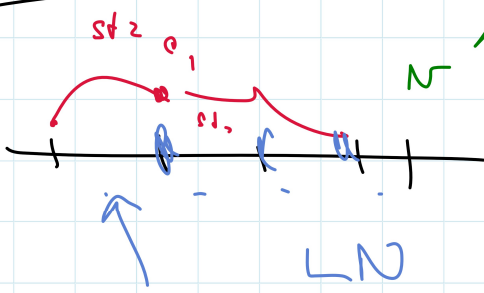
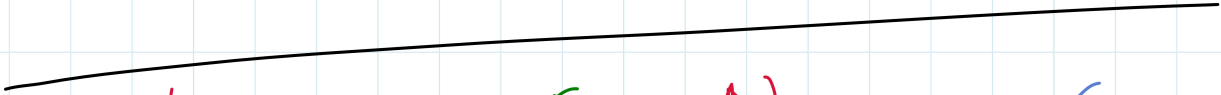
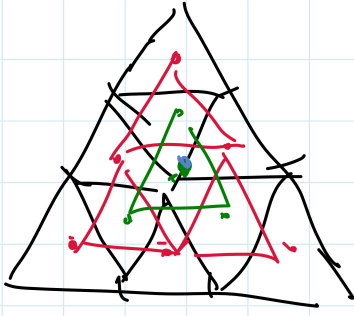


$$f \in \mathcal{P}[\mu, \nu]$$

$$\max \text{deg} = 3$$

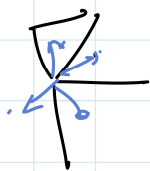
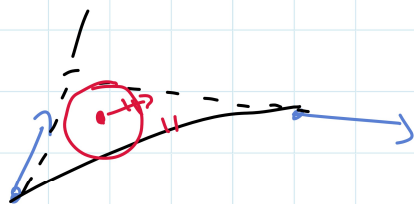
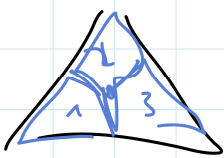
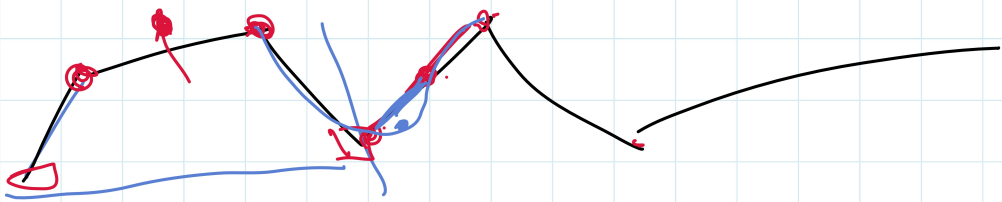
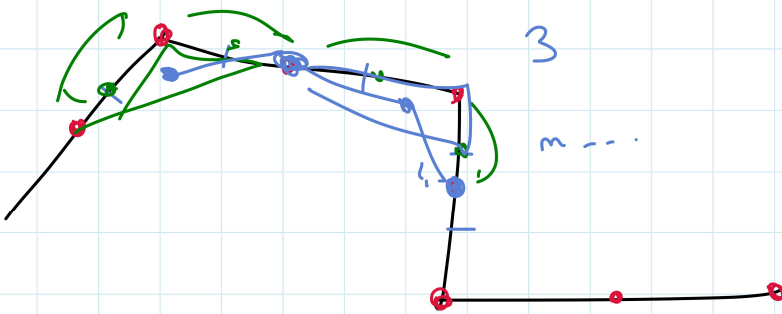
Dim \mathcal{W}

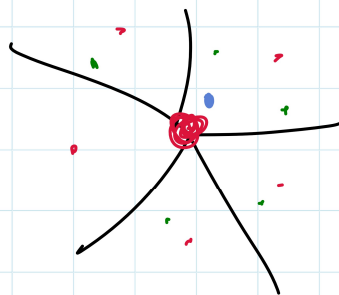
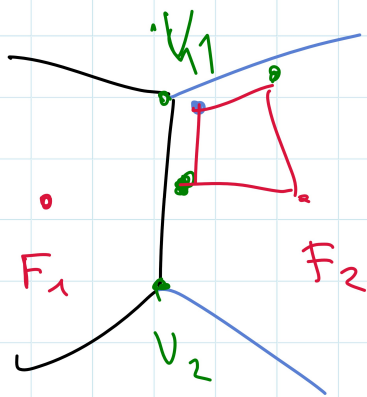
$$1, \mu, \nu, \mu^2, \nu^2, \mu^3, \nu^3, \mu \cdot \nu, \mu \cdot \nu^2, \mu^2 \cdot \nu$$



dim? $B \neq E$

X NEUTRINE
) MODEQUAT
 M





MODEL VÁNÍ

- křivky

- plochy

→ zohlednu konstrukce + principy

→ matematická podstata

- orientace

orientace se + vyhledat