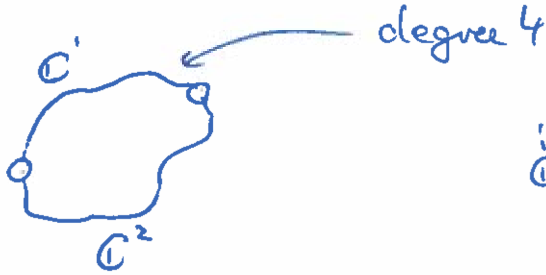

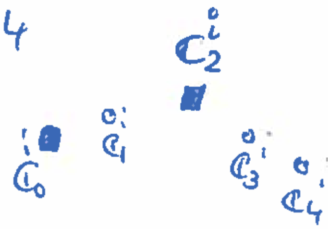

C^0

$\boxed{\begin{matrix} c_0^2 = c_4^1 \\ c_4^2 = c_0^1 \end{matrix}}$ — curve (^{1}), index ($_4$)

C^1 $\quad 4\left[\underline{c_4^1 - c_3^1}\right] = 4\left[\underline{c_1^2 - c_0^2}\right]$ tangents of curve 1 at end = tangent of curve 2 at start

C^2 ......

$\sum \alpha_i = 1$ (barycentric coord's) $\qquad \alpha_i \geq 0$ with domain of interest = convex hull of vertices

$\underbrace{\sum \alpha_i c_i}_{\text{barycentric combination " weighted sum}}$

apply affine map $\underbrace{A}_{2\times 2}\left(\sum \alpha_i c_i\right) + \underbrace{\boxed{T}}_{2\times 1}$

$=$

$\sum \alpha_i A c_i + \underbrace{\sum \alpha_i}_{1} T$

$=$

$\underline{\sum \alpha_i} (A c_i + T)$ "invariant"

$$\sum_{i=0}^{n} B_i^n = \cancel{t} \sum_{i=0}^{n} \left(\frac{n!}{(n-i)!\, i!}\right) (1-t)^{n-i} t^i$$

$$(s+t)^2 = \binom{2}{0} s^2 + \binom{2}{1} st + t^2$$

$$1 = (\underbrace{1-t}_{s} + t)^n = (s+t)^n = \sum \binom{n}{i} s^{n-i} t^i$$

$B_2^2(t) = \underline{t^2}$ can not be written as $\gamma_1 \underbrace{B_1^2(t)}_{2t(1-t)} + \gamma_0 \underbrace{B_0^2 t}_{(1-t)^2}$