Procepanceburere spubre
Knacurgunanyur
I. Mocpoerne epubre 2/3 jajanvive Form
1) Ecrecoborours carada!
2) tpunsob conain;
II Rocquerue Kubera, jagarerore hangabrevuer
yrusc
1) Kpulne Teyse;
2) B-cnraisn.
Unsepasayue vs annpowenragus vs
Hectpe morgan
Cusiosin zagarus
Cnocoon hjegersberend sepulora
1) abroe;
2) methrac;
3) naprulépure enve;

Ecrecherour (enfurerement) consister allow Someway usinere upuloges in rosing CUMON SOMEWAR CIMENTE upubogns K FORMY, 250 mommo mongrusoboshy. $p(u) = a u^3 + b u^2 + c u + d$

 $P(u) = \begin{cases} X(u) = a_x u^3 + b_x u^2 + c_x u + d_x \end{cases}$

rge u « [0,1]

Toga nomme repensar le marqueron la je

$$X(u) = \begin{bmatrix} u^3 \end{bmatrix}^T \begin{bmatrix} a_x \\ b_x \\ u \end{bmatrix} \quad \begin{cases} y(u) = \begin{bmatrix} u^3 \end{bmatrix}^T \begin{bmatrix} a_y \\ b_y \\ c_y \\ d_y \end{bmatrix}$$

470 Ju no chon To, reo Skopino pem. c. ry

$$x(u) \begin{cases} p_0 = p(0) = a_x 0^3 + b_x 0^2 + c_x 0 + d_x \\ p_1 = p(\frac{1}{3}) = a_x (\frac{1}{3})^3 + b_x (\frac{1}{3})^2 + c_x \frac{1}{3} + d_x \\ p_2 = p(\frac{2}{3}) = a_x (\frac{2}{3})^3 + b_x (\frac{2}{3})^2 + c_x \frac{1}{3} + d_x \\ p_3 = p(1) = a_x 1^3 + b_x 1^2 + c_x 1 + d_x \end{cases}$$

Romanu c-ma Px = ACx, 25e

[Po]

[V3]

[V3]

[V3]

[V3]

[Cx = 6x]

[V3]

[V4]

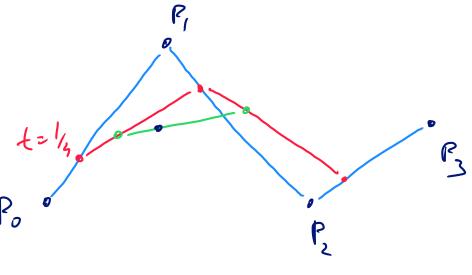
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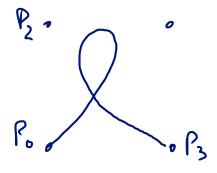
4(n-1) - ypabrierine

7 pourole unsephonogen (Charles Kamite) Name copies $\begin{cases} P(0) = P_{K} & P(u) = u^{3}a + u^{2}b + uc + d \\ P(1) = P_{K+1} & P'(u) = 3u^{2}a + 2ub + c \\ P'(0) = D_{PK} & P'(1) = D_{PK} \end{cases}$ Pe | 0 0 0 1 | 6 | Pe | 2 | 1 | 1 | 1 | 6 | C | Down | 3 | 2 | 1 | 1 | d C 2 -2 1 1 Pe Peri Dpc Dpc Dpc 1

Nouspour Knubyto Byse

$$P(u) = P_{0}(1-u)^{3} + 3 p_{1} u (1-u)^{2} + 3 p_{2} u^{2}(1-u) + p_{3} u^{3}$$





B-cnein

$$P_n(u) = \sum_{i=0}^n P_i N_{i,k}(t), t_{min} \leq t \leq t_{max}$$

Pengensswe p-un Kokca-ge bypen ropgane - Puzen penge

$$N_{i,0}(t) = \begin{cases} 1, \text{ even } t_i \leq t \leq t_{i+1} \\ 0, \text{ unare} \end{cases}$$

$$N_{i,k}(t) = \frac{t-t_i}{t_{i+k}-t_i} \cdot N_{i,k-1}(t) + \frac{t_{i+k+1}-t}{t_{i+k+1}-t_{i+1}} N_{i+k-1}(t)$$

M+1=3- m cm Forence m=6- m cm yzrobres 21-106 m-(n+4=2-crement momenta Crema

$$N_{i,0}(t) = \{1, com t \in [t_i, t_{i+i}) \}$$

$$N_{i,K}(t) = \frac{t - t_{i}}{t_{i+k} - t_{i}} N_{i,k-1}(t) + \frac{t_{i+1+k} - t}{t_{i+1+k} - t_{i+1}} N_{i+1,k-1}(t)$$

$$= \frac{t \cdot [0,1)}{t} + \frac{t \cdot [1,2)}{t} + \frac{t_{i+1+k} - t}{t} = \frac{t_{i+1}}{t}$$

$$= 0$$

$$= 1$$

$$= 1$$

$$= 0$$

$$N_{0,1} = \frac{t - t_0}{t_1 - t_0} N_{0,0}(t) + \frac{t_2 - t}{t_2 - t_1} N_{1,0}(t) = \frac{t}{0} \cdot 0 + \frac{1 - t}{1} \cdot 1 = \begin{cases} 0, t \in [0, 0) \\ 1 - t, t \in [0, 1) \end{cases}$$

$$\frac{1}{\sigma} \cdot \frac{1}{\sigma} + \frac{1}{\sigma} \left\{ \frac{1-t}{t} + \frac{t}{t} \cdot \frac{1}{\sigma} \right\}$$

$$N_{0,2} = \frac{t-t_1}{t_2-t_1} N_{0,1}(t) + \frac{t_3-t}{t_3-t_2} N_{2,0}(t) = \begin{cases} \frac{t-\sigma}{1-\upsilon} \cdot 1 & \text{if } t \in [0,1] \\ \frac{2-t}{2-1} \cdot 1 & \text{if } t \in [1,2) \end{cases} = \begin{cases} t & \text{if } t \in [0,1] \\ \frac{2-t}{2-1} \cdot 1 & \text{if } t \in [1,2] \end{cases}$$