P158 3.4 3(a) 楼查纽结 5,61)=4-4+2=2 S2(1) = 2-0+0-0=0 5.11)=5.(1) 5(1)=-井十年=-十 S'2(1) = - + to-0=0 , 5'(1)=5'(1) S ((1) = 章×3×2= 9 52'(1) = 20-0=20, 5"(1)=52'(1) 1. C= 2 考点 红料 5"(0)= \$x3x2x0=0 1. 偏足自然,样 考层科地粉线给点

: C, # 22, d. # dz #0

八子人费足扎物线线点



Chengdu, 610207, Sichuan, P.R.China Http://www.scu.edu.cn

考察非纽结三次样

## 八子/满足非纺结三次样条

$$||A_1|| = 2, |B_2| = ||A_1|| = 2, |B_2| = -||A_1|| = 1, |a_2|| = 3$$

$$d_{1} = \frac{C_{2} - C_{1}}{38_{1}} = \frac{1}{b}$$

$$d_{2} = \frac{C_{3} - C_{2}}{38_{2}} = \frac{1}{3}$$

$$b_1 = \frac{b_1}{b_1} = \frac{s_1}{3} (2c_1 + c_2) = 1 + \frac{2}{3} \cdot 1 = \frac{5}{3}$$

$$b_2 = \frac{b_2}{\delta_2} - \frac{\delta_2}{3}(2C_1 + C_3) = -1 + \frac{1}{3} \cdot 2 = -\frac{1}{3}$$

$$\frac{1}{5}(10) = 1 + \frac{5}{3} \times 4 - \frac{1}{6} \times 3$$
 [0, 2]

$$S_{2}(X) = \frac{1}{5} \frac{1}{5} (X-2) - (X-2)^{2} + \frac{1}{5} (X-2)^{3} = [2, 3]$$



Sichuan University

Chengdu, 610207, Http://www.scu.edu.cn

14. La) S'(LZ) = = (x3x2x2=6 S'(2)=26 S'(2)=5(2)=5(2)=6=3 (b) 5100 = 2x3x2x0=0 5263-3x2d(3-1)=0=) d=0 52'(3) = 2C+6d(3-2) = 0 = d=-1 P163 35 8. (x,y,)=(0,1), (x2,y2)=(x2,1) (X3, y3)=(1,y), (X4, y4)=(1,0)  $b_{x} = 3(X_{z} - X_{1}) = 3X_{z}$ Cx = 3 LX3-X2) - bx = 3-6X2 dx = x4-x1-bx-Cx = 3x2-2 by = 3(92-91) = 0 Cy = 3(43-42) - by = 343-3 dy = 14-4, -by-Cy = 2-343 :(X(t)= X,+bx++Cx++cx+3=3x2++(3-6x2)+2+(3X2-2)+3 (y(t) = y, +by++1y+2+dy+3=1+134,-3)+2+(2-343)+3 「(人(ま)=まら X2+(3-6×2)す+(3×2-2) = まら X2= f  $(X(t) = \frac{1}{2}t + 2t^2 - \frac{3}{2}t^3)$  $y(t) = 1 - 4t^{2} + 2t^{3}$