数值5折华业13 (第七章 1.2.4.7.10.11 17)

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).
$$P_1 = A - \frac{(A_1 P_0 \vee X)}{(P_0 \vee X)_1 P_0 \vee X)}$$
 $P_0 \vee X) = A - \frac{\int_{-1}^{1} \chi P_0 \vee X dX}{\int_{-1}^{1} \chi P_0 \vee X dX} P_0 \vee X) = A$

$$= x^{2} - \frac{\int_{-1}^{1} x^{2} P_{0} w_{1} dx}{\int_{-1}^{1} P_{0} w_{2}^{2} dx} P_{0} w_{1} - \frac{\int_{-1}^{1} x^{2} P_{0} w_{1} dx}{\int_{-1}^{1} P_{1} w_{2}^{2} dx} P_{0} w_{1}$$

=
$$\chi^2 - \frac{1}{3}$$

$$P_{3} = \chi^{3} - \frac{(\chi^{3}, P_{0} W_{1})}{(P_{0} W_{1}, P_{0} W_{2})} P_{0} W_{1} - \frac{(\chi^{3}, P_{1} W_{1})}{(P_{1} W_{1}, P_{1} W_{2})} P_{1} W_{2} - \frac{(\chi^{3}, P_{0} W_{1})}{(P_{1} W_{1}, P_{1} W_{2})} P_{2} W_{1}$$

$$= \chi^{3} - \frac{\int_{-1}^{1} \chi^{3} P_{0} W_{1} dx}{\int_{-1}^{1} P_{0} W_{2}^{3} dx} P_{0} W_{1} - \frac{\int_{-1}^{1} \chi^{3} P_{1} W_{2} dx}{\int_{-1}^{1} P_{0} W_{2}^{3} dx} P_{1} W_{2} - \frac{\int_{-1}^{1} \chi^{3} P_{2} W_{1}}{(P_{2} W_{1}, P_{2} W_{1})} P_{2} W_{1}$$

2.
$$L_1 \vee X_1 = 1 - X$$

 $L_2 \vee X_1 = \frac{1}{2} (\chi^2 - 4 \times 4 \times 2)$
 $L_3 \vee X_2 = \frac{1}{6} (-\chi^3 + 8\chi^2 - 18\chi + 6)$

7年表表:
$$x_1$$
 P(x_1) - Pf = Pf $-\frac{\pi}{2}$ 0.420b 0 1 0.6690 $\frac{\pi}{2}$ 2.3774 1.7905 0.5320

Newton 越俗が成式

P(x_1) = Po(x_1) + P₁ (x_1 - x_0) + P₂ (x_1 - x_0)(x_1 - x_1)

= 0.5320 x_1^2 + 1.297 x_1 1.0002

5. x_1 = $-\frac{\pi}{2}$, x_2 = 0, x_3 = $\frac{\pi}{2}$
 $\sqrt{x_1}$ $\sqrt{x_2}$ $\sqrt{x_1}$ $\sqrt{x_2}$ $\sqrt{x_2}$ $\sqrt{x_3}$ $\sqrt{x_2}$ $\sqrt{x_1}$ $\sqrt{x_2}$ $\sqrt{x_3}$ $\sqrt{x_3}$ $\sqrt{x_1}$ $\sqrt{x_2}$ $\sqrt{x_3}$ $\sqrt{x_1}$ $\sqrt{x_2}$ $\sqrt{x_3}$ $\sqrt{x_2}$ $\sqrt{x_3}$ $\sqrt{x_1}$ $\sqrt{x_2}$ $\sqrt{x_3}$ $\sqrt{x_2}$ $\sqrt{x_1}$ $\sqrt{x_2}$ $\sqrt{x_3}$ $\sqrt{x_2}$ $\sqrt{x_1}$ $\sqrt{x_2}$ $\sqrt{x_3}$ $\sqrt{x_2}$ $\sqrt{x_1}$ $\sqrt{x_2}$ $\sqrt{x_2}$ $\sqrt{x_3}$ $\sqrt{x_2}$ $\sqrt{x_1}$ $\sqrt{x_2}$ $\sqrt{x_2$

$$|R_2VW| = |\sqrt{3}\chi^3 - \frac{3}{4}\sqrt{3}\chi| \le \frac{1}{12} \approx 0.0833$$

$$\frac{30x+2|x^2+x^3}{30+36x+9x^2}$$

