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P48
                                   ex 1
                             (1) \{1, \chi, \chi'\}
                               \begin{pmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 2 & 4 \end{pmatrix} \begin{pmatrix} \alpha_{0} \\ \alpha_{1} \\ \alpha_{2} \end{pmatrix} = \begin{pmatrix} 0 \\ -3 \\ 4 \end{pmatrix}
\begin{cases} \alpha_{1} = \frac{7}{3} \\ \alpha_{1} = \frac{7}{3} \end{cases} \Rightarrow \beta(x) = -\frac{7}{3} + \frac{3}{3}x + \frac{5}{3}x^{2}
\begin{cases} \alpha_{2} = \frac{5}{3} \\ \alpha_{3} = \frac{5}{3} \end{cases}
                            (2) Whtt (x)= (x-1)(xtl)(x-2)
                                             (x)^{2} \cdot \frac{(x-xk)(y)^{n+1}(xk)}{(x+1)^{n+1}}
                                  { la, h, h}
                         = \int_{h^{-}}^{h} \frac{(\chi + 1)(\chi + 2)}{(\chi + 1)(\chi + 2)} = -\frac{1}{2} (\chi + 1)(\chi + 2)
= \int_{h^{-}}^{h^{-}} \frac{(\chi + 1)(\chi + 2)}{(\chi + 2)(\chi + 2)} = -\frac{1}{2} (\chi + 1)(\chi + 2)
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                                    l_2 = (x-1)(x+1) = \frac{1}{3}(x-1)(x+1)
                            => Pm= == fi h= 0h+ (-3)-h+4h
                                                                                = -\frac{1}{2}(\chi-1)(\chi-2)+\frac{1}{2}(\chi^2-1)
                                                                                = -\frac{1}{2}(\chi^2 - 3\chi + 2) + \frac{9}{3}\chi^3 - \frac{9}{3}
                                                                                = \frac{1}{1} \chi^{2} + \frac{3}{2} \chi - \frac{1}{3}
                     (3) \{1, \chi - \chi_0, (\chi - \chi_1)[\chi - \chi_0)\}
                               => P(x)= (x-x) a, + (x-x1)(x-x0)a2
                                 成入 (Xo.fo) = D (ho=D
                                 \mathcal{X}(X) = (-2) \hat{u}_1 = -3
                                 初入 (x_2, f_3)   a_1 + 3x | a_2 = 4 = a_2 = \frac{5}{6}
                            => PM = 77 + 5 x
          ex4.
         (ken)
                              二对对为f以上的多种的,j=0,--.n
                             ⇒ P(x) = \sum_{i=0}^{N} \pi_i \cdot l_i(x)
由活動 ⇒ P(x) - f(x) = \frac{f^{(n+1)}(\S)}{(n+1)!} \cdot W_{m_i}(x)
         \int_{-\infty}^{n} (xj - x)^{k} \cdot j(x) = \int_{-\infty}^{n} \cdot \int_{-\infty}^{k} xj^{k} \cdot kx^{j} \cdot C_{k}^{j} \cdot j
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= \int_{-\infty}^{n} (xj - x)^{k} \cdot j(x) = \int_{-\infty}^{n} \cdot \int_{-\infty}^{k} xj^{k} \cdot j(x) \cdot j(x) = \int_{-\infty}^{n} xj^{k} \cdot j(x) \cdot j(
                                                                                         = \sum_{i=0}^{k} G_{k}^{i} + \chi^{i} \cdot \chi^{k-i}
                                                                                                  = (\chi - \chi)^k = o^k = 0
    exs.
       J & (2[a.b]
     (x) = \int (a) \cdot \frac{x-b}{a-b} + \int (b) \cdot \frac{x-h}{b-a}
       \therefore f'(a) = f(b) \equiv 0
          二) PIX)三0
  =) 1f-p1< = | (3) (x-a)(x-b)
                                \leq \frac{1}{2} |f''(\zeta)| |\chi(x-a)(x-b)|
· MAREa.bJ.
   max[(x-a)(x-b)] = \frac{1}{4}(b-a)^2
    = \int \left\{ \int_{0}^{\infty} \left( b - \omega \right)^{2} \right\} \left\| \int_{0}^{\infty} \left( x \right) \right\|_{0}^{\infty} 
   = \sum_{\alpha \in x \in b} \max_{\beta \in x} |f(\beta)|^2 \cdot \max_{\alpha \in x \in b} |f'(\alpha)|^2
                                12-T
        ext.
     |\mathcal{R}_n(x)| = |f(x)|_{nex}, W_{n+1}(x)
                                        = \left| \int_{(3)}^{(3)} |f_{3}| |_{Mody} - \left| (\chi - \chi_{0})(\chi - (\chi_{0} - h))(\chi - (\chi_{0} + h)) \right|
          其中Xo土机构能,对福西与网络有X=.Xotbh.bG7.
                  x_1^{(3)}(3) : \int (x) = e^x < e^4 \cdot x \in [-4, 4]
                  ||x||^{2} \in \frac{e^{4}}{2!} \cdot ||b-b| \cdot ||b||^{2}
                                     後り(な)= メ(スー1)(オカ)
                   g'(x)=·3x'-1 -) x=113

机x=-意图取极大, 在15 图像和升.
                        191X)| 标注影响概括证量系
                          \frac{1}{6} \cdot h^{3} \cdot \frac{2}{9} \cdot \bar{h}^{3} < 10^{-6}
                                                         h^{3} < \frac{9\sqrt{3}}{04} \times 10^{-6}
                                                   \Rightarrow h < (\frac{915}{04} \times 10^{-6})^{\frac{1}{2}}
  ex13
    11 Mermite Kall, is
         P(x) = f(x_0) + f'(x_0)(x - x_0) + f''(x_0)(x - x_0)^2 + A(x - x_0)^3
   \Rightarrow A(x_{1}-x_{0})^{3} = \int (x_{0})-f(x_{1})-f'(x_{0})(x_{1}-x_{0})+\frac{f'(x_{0})}{2!}(x_{1}-x_{0})^{2}
                         A = \frac{K}{(X_1 - X_2)^3}
     = \sum_{i=0}^{|x_i|} f_{(i)}(x_i) - (x_i - x_i)_{j}^{+} \frac{(x_i - x_i)_{3}}{|x_i - x_i|_{3}} \cdot (x_i - x_i)_{3}
    exit,
 设作成就及R(X)=f(X)-P(X)=k(x)~(X-Xk)(X-Xk)
                         ix .4(t)=f(t)-P(t)-k(x)(t-双)2(x-双)2
           刚t=双,双kH,Xk-1上重力是生态的
            二应用Rolle支配,如38E(Xk, XkH).s.t. (49)=0
              : P(t) & P[t] : p(4) =0
              i = \int_{a}^{a} (x) / (x) = k(x)
\frac{f(s)}{4!} \cdot (X - X_k)^2 (X - X_{k+1})^2
\frac{16h}{4!} \cdot (X - X_k)^2 (X - X_{k+1})^2
       (\chi - \chi_k)^2 (\chi - \chi_{kH})^2 \cdot \frac{1}{12} \cdot \frac{1}{12} \cdot \frac{\chi_{kH} - \chi_k}{2}
     方×=hツ加nnx111=> <u>h4</u>
        P_{n} \leq \frac{h^{4}}{384} \cdot mnx f^{(4)}(3)
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