式所具有的代数精度:
(1) $\int_{-a}^{a} f(x) dx \approx A_{-1}f(-h) + A_{0}f(0) + A_{1}f(h)$;
(2) $\int_{-a}^{a} f(x) dx \approx A_{-1}f(-h) + A_{0}f(0) + A_{1}f(h)$;
(3) $\int_{-a}^{1} f(x) dx \approx [f(-1) + 2f(x) + 3f(x_{0})]/3$;
(4) $\int_{-a}^{a} f(x) dx \approx h^{-1}f(0) + f(h)]/2 + ah^{2}[f'(0) - f'(h)].$ (7) f(x)=1, $2h=A_{-1}+A_{0}+A_{1}$ f(x)=x $0 = -hA_{-1}+hA_{1}$ $f(x)=x^{2}$ $-\frac{1}{3}h^{3} = h^{2}A_{-1} + h^{2}A_{1}$ $f(x)=x^{3}$ $A_{-1}f(-h) + A_{0}f(-h) + A_{0}f(-h) = -\frac{1}{3}h$ $f(x)=x^{4}$ $A_{-1}f(-h) + A_{0}f(-h) + A_{0}f(-h) = -\frac{1}{3}h$ $f(x)=x^{4}$ f(x)=x f

在21/10年2月6月

101-12-14312