HW8

PB17111614

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1.

1, a=1,0 b=1,8 n=4
夏化棉形: T(h)=h[=f(a)+芒f(a+h)+=f(b)].
$h = \frac{b-a}{n} = 0.2$
: T(h)=0,2x(±x3,2+3,5+50+5,2+±x4,8)
= 3,54
夏化Sinpson: Sn(与)= + [fa)+4 = f(Xett)+2 = f(Xe)+f(1)]
m=2
: S4(f)= = = x[3,2+4x(35+5,2)+2x5,0+4,8]

2.

3.

(a).

(1) 分间及 + (X)=1, X,
$4 = A + B + C \qquad (A = \frac{10}{9})$
0=-Aa+Ca B= 16
$\frac{16}{3} = A\alpha^2 + C\alpha^2$ $C = \frac{10}{9}$
$0 = -A\alpha^3 + C\alpha^3$ $\alpha = 6$
EX=AQ+CQ
1. 52 X x = 10 tax + 10 at
Six dx + g(-a) + gab
() () fx) dx= 管f(-對+管f(o)+管片簡具有与次行逐渐通

(5) : 5(+K) & GRUSS FI 42/2	
$= (\xi) = I(\xi) - G_{\lambda}(\xi)$	
= + (m(3)) & W(x) (x) dx, 3 ∈ [a, b]	-
N=3 E (7) = 2(1)(1) (x+3/12) X (X-3/12) 9/x 3 ∈ [a:p]	